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## SPI Best Sellers

### 1988 SPI Membership Directory and Buyer's Guide

The 1988 Membership Directory and Buyer's Guide is the most comprehensive publication of its kind, providing a detailed listing of products and services in the U.S. plastics industry. Whether you're looking for resin manufacturers, distributors, machinery manufacturers, plastics processors, or moldmakers, the directory provides up-to-date information on sources of supply for all your needs in a convenient, easy to use format.

The directory will help you make the best purchasing decision for quality, price and delivery. Its simple organization allows you to determine which companies supply the products or services you need and which are most conveniently located to serve you. Listings appear in several different color coded formats: an index to products, processes and services, an alphabetical listing of companies, and a geographical listing of companies by city and state.

Included in the directory are the more than 1,900 members of The Society of the Plastics Industry, Inc., representing a diverse range of industry segments: resin producers, additive producers, processors, machinery manufacturers, distributors, auxiliary equipment manufacturers and consultants. The directory answers these questions and more:

- What is the specialty of each company?
- Who makes a particular product?
- Where are these companies located?
- Who are the consultants to the industry?
- What are the major manufacturing processes?
- Who are the distributors and sales agents?

(#AA-104)

M - \$60.00 NM - \$120.00

### Financial Management Manual For Plastics Processors

Offers practical methods for dealing with the management needs of all types of plastics processors. Its scope is broad—covering all aspects of materials management, cost control, budgeting, and cost estimating and pricing. The manual was developed in response to a widely perceived need resulting from continued growth in the plastics processing industry, and increasing complexities in areas of technology, markets, management and government regulations. Researched and written by Ernst and Whinney under the direction of SPI's Financial Management Committee, the manual consists of four volumes, over 1,000 pages of text, tables, charts, diagrams and illustrations stored in handsome 3-ring loose-leaf binders. Each volume has a detailed table of contents for quick reference, and each volume contains an introductory summary, glossary and suggested reading.

(#AJ-101)

Set of 4: M - \$400.00 NM - \$525.00  
(add \$50.00 for overseas orders)



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## SPI Best Sellers (continued)

### Plastics: A.D. 2000

This major study, "Plastics: A.D. 2000 Production and Use Through the Turn of the Century," is the first comprehensive study of its kind released by The Society of the Plastics Industry in more than 15 years. It has been widely reported in the news media and promises to be quoted as "the study" for years to come.

Prepared for SPI by the international consulting firm of Chem Systems, Inc., it examines the plastics industry both historically and futuristically. Using 1970-1985 as a base period, projections and comparisons are made for the 1985-2000 time frame. Its 160 pages are profusely illustrated with charts and graphics.

Analyses are provided for these markets:

- Packaging
- Building & Construction
- Consumer & Institutional
- Electrical/Electronic
- Furniture/Furnishings
- Industrial/Machinery
- Transportation
- Adhesives, Inks & Coatings
- Plus Others

And these polymers:

- Styrenics
- ABS/SAN
- Polyethylene
- Polypropylene
- PVC
- Other Vinyls
- Thermoplastic Polyester (PET)
- Acrylics
- Engineering & Performance Polymers
- Thermosets

There also are chapters on Allied Industries (feedstocks, plant equipment, plastics fabrication machinery, additives), International Issues, and the Economic Impact of Plastics on the U.S. Economy. Detailed statistical tables record historical polymer demand by market since 1975 as well as project future demand through the year 2000.

Because "Plastics: A.D. 2000" was commissioned by SPI in conjunction with the Society's 50th anniversary as a service to the industry, this landmark study is available at an unusually attractive price.

(#AB-101)  
M - \$195.00 NM - \$325.00

## SPI Best Sellers (continued)

### Facts & Figures of the U.S. Plastics Industry

In a hurry? Need to know:

- U.S. consumption of a particular resin?
- major markets and applications for specific resins?
- volume of U.S. exports and imports?
- plastics resins sales and captive (internal) use by market?
- description of processing methods?

If so, you'll want to order Facts & Figures of the U.S. Plastics Industry, the authoritative source of information on resins, markets and economic data. The publication highlights production, sales, markets, end uses and growth rates for major resins and includes statistical information on additives, feedstocks, plastics machinery, consumption and other financial data.

Compiled annually from data collected by SPI's Committee on Resin Statistics and other sources, Facts & Figures features data on production, sales and capacity for plastics resins for the following markets:

- transportation
- packaging
- building/construction
- electrical/electronic (including appliances)
- furniture and furnishings
- consumer and institutional products
- adhesives, inks and coatings
- industrial/machinery
- exports

The 130-page publication also includes a section on general economic statistics, detailing producer price indexes, balances of trade, number of plants, value of shipments, and financial and operating ratios of plastics processors. In addition, the financial performance of plastics is compared to other materials and industries.

With Facts & Figures you can have all the answers right at your fingertips. Why wait? Order your copy today and put the industry's most important publication on your desk now!

(#BA-111)

1-10 copies: M - \$60.00 NM - \$120.00  
11+ copies M - \$40.00 ea. NM - \$80.00 ea



Facts &  
Figures  
of the U.S.  
Plastics  
Industry

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## SPI Best Sellers (continued)

### 1987 Employee Benefit Survey (No. 2)

A first-of-its-kind publication providing a comprehensive review of benefits in the U.S. plastics industry. The survey details industry statistics on vacation and holiday practices, sick leave, personal leave, disability, pension plans, retirement plans, profit sharing, educational benefits, stock options, medical and dental programs, and more. Results are broken down according to region, sales volume, and number of employees, allowing for analysis from several different perspectives. An invaluable management tool for reviewing your own benefits program.

(#BA-115)

M - \$125.00 NM - \$250.00

### 1987 Financial and Operating Ratios Survey (No. 26)

This annual survey measures the significant financial and operating ratios affecting plastics processing firms such as assets and liabilities, net sales, pretax, and after tax income, cost of sales, overhead, depreciation, inventory, and administrative expenses. Figures are subdivided by sales volume—less than \$5 million, \$5 - \$10 million, and over \$10 million—and by relative profitability measured as a percentage of sales. Results are presented as composite operating statements, balance sheets, and statistical data. This information enables firms to compare their performance and possibly indicate how they might improve their own performance.

(#BA-114)

M - \$75.00 NM - \$150.00

### 1987 Labor Survey (No. 49)

The survey summarizes key labor rate data submitted by 196 companies in 39 states. The survey reports by regions of the country on plant and shift statistics, union data, holiday and vacation statistics and bonus and turnover data. Hourly rates are shown for 56 job classifications for firms engaged in injection, blow and compression molding, thermoforming, reinforced and extrusion. The survey is highly recommended for assisting in management decisions.

(#BA-113)

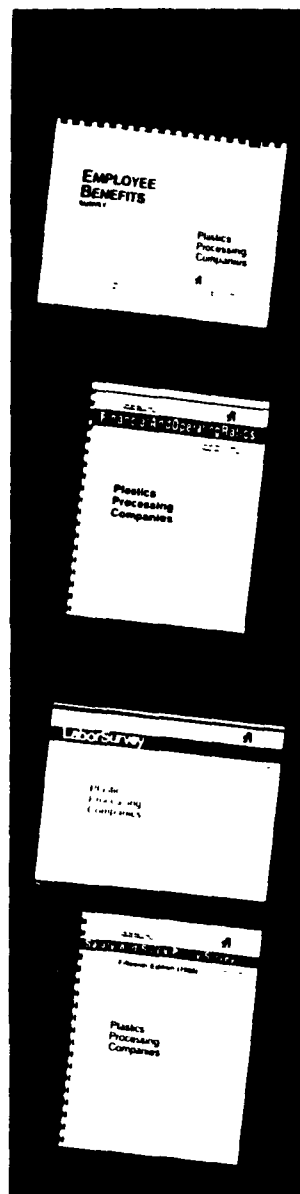
M - \$75.00 NM - \$150.00

### 1986 Salary and Sales Policy Survey (No. 15)

This biennial survey outlines average salaries for 34 positions in manufacturing, marketing, finance, engineering, personnel and purchasing. Data is classified by sales volumes and by geographic regions. This provides the data to compare your salaries with those of other plastics processing companies in the same section of the country with the same sales volume. In addition, the Salary and Sales Policy Survey provides data on sales policies for a direct sales force and for manufacturers' reps. The survey is an important management tool.

(#BA-109)

M - \$75.00 NM - \$150.00



## SPI—MEMBERSHIP

- |               |                                                                                                                                                                                                                                                                                                                                 |                                      |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>AA-101</b> | <b>It's Yours—Display it Proudly</b> A brochure of SPI looks to be used by members.                                                                                                                                                                                                                                             | <b>No charge</b>                     |
| <b>AA-102</b> | <b>Member Services Guide</b> Identifies the operating units of SPI, their activities and objectives.                                                                                                                                                                                                                            | <b>No charge</b>                     |
| <b>AA-103</b> | <b>Opportunities for Involvement in SPI</b> A brochure detailing how members can get involved in SPI activities.                                                                                                                                                                                                                | <b>No charge</b>                     |
| <b>AA-104</b> | <b>1988 SPI Membership Directory and Buyer's Guide</b> A detailed listing of SPI member companies and their products and services. Listings appear in several different formats: an index to products, processes and services, an alphabetical listing of companies, and a geographical listing of companies by city and state. | <b>M - \$60.00<br/>NM - \$120.00</b> |

## SPI—GENERAL REFERENCE

- |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                       |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>AB-101</b> | <b>Plastics A D 2000</b> Production and Use Through the Turn of the Century. A major study conducted by Chem Systems, Inc., projecting growth of the plastics industry from 1985-2000. The study details information on plastics demand by resin, end use, and market, as well as the outlook for allied industries such as feedstocks, plant equipment, plastics fabrication machinery, and additives. Promises to be quoted as "the study" for years to come. | <b>M - \$195.00<br/>NM - \$325.00</b> |
| <b>AB-102</b> | <b>President's Report to the Members</b> A quarterly update on issues and activities of interest to the SPI membership.                                                                                                                                                                                                                                                                                                                                         | <b>No charge</b>                      |

## SPI—ENVIRONMENT

- |               |                                                                                                                                                                                                                                                                                                                    |                                      |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>AD-101</b> | <b>Emergency Planning and Community Right-to-Know Guidance Manual</b> Defines the scope of the community right to know law, contains instructions on how to use the various reporting forms, and lists the chemicals subject to the law along with their respective threshold planning and reporting requirements. | <b>M - \$45.00<br/>NM - \$65.00</b>  |
| <b>AD-102</b> | <b>Members of Special Public Groups Evaluate Plastics and Their Impact on the Environment</b> A 1986 survey of solid waste officials, fire chiefs, environmental news editors, and community leaders by Opinion Research Corporation to evaluate attitudes toward plastics.                                        | <b>M - \$50.00<br/>NM - \$100.00</b> |
| <b>AD-103</b> | <b>Midwest Research Institute Report: Resource &amp; Environmental Profile Analysis of Plastics and Nonplastics Containers</b> A detailed analysis that identifies and compares the resource use and environmental impacts of containers produced from plastics and nonplastics materials. Summary of the report.  | <b>No charge</b>                     |
| <b>AD-104</b> | <b>Proceedings from SPI Symposium on Degradability (June 1987)</b> Sixteen papers covering various photodegradable and biodegradable products and processes, and covering the economic, social and technical aspects of degradability.                                                                             | <b>M - \$40.00<br/>NM - \$80.00</b>  |
| <b>AD-105</b> | <b>Recycling Case Histories</b> Case histories excerpted from issues of the <i>Plastic Bottle Reporter</i> , published by SPI's Plastic Bottle Institute, covering current applications of recycled plastic bottles.                                                                                               | <b>No charge</b>                     |

## SPI—SAFETY

- |               |                                                                           |                                     |
|---------------|---------------------------------------------------------------------------|-------------------------------------|
| <b>AS-101</b> | <b>A Critical Review of the State of the Art of Combustion Toxicology</b> | <b>M - \$25.00<br/>NM - \$50.00</b> |
|---------------|---------------------------------------------------------------------------|-------------------------------------|

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## SPI—SAFETY (continued)

|                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                     |                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>AE-102</b>                                                                                                                                                                                                                                                 | An Enclosed Room Fire Test                                                                                                                                                                                                                                          | M - \$1.00<br>NM - \$2.00       |
| <b>AE-103</b>                                                                                                                                                                                                                                                 | Factory Mutual Research Report, Full Size Fire Tests of Stored Plastic Commodities FMRC Serial Number 22466                                                                                                                                                         | M - \$50.00<br>NM - \$100.00    |
| <b>AE-104</b>                                                                                                                                                                                                                                                 | Factory Mutual Research Report, Full Size Fire Tests of Stored Plastic Commodities FMRC Serial No. 22556                                                                                                                                                            | M - \$50.00<br>NM - \$100.00    |
| Fire Safety In America Features numerous third party scientists and fire safety experts discussing the importance of early detection/quick suppression and the need to focus on total hazard analysis instead of just small scale combustion toxicity testing |                                                                                                                                                                                                                                                                     |                                 |
|                                                                                                                                                                                                                                                               | Long Version (22 min)      Short Version (14 min)                                                                                                                                                                                                                   |                                 |
|                                                                                                                                                                                                                                                               | 3/4 inch AE-106 \$30.00      AE-108 \$25.00                                                                                                                                                                                                                         |                                 |
|                                                                                                                                                                                                                                                               | VHS AE-106 \$30.00      AE-108 \$25.00                                                                                                                                                                                                                              |                                 |
|                                                                                                                                                                                                                                                               | 16 mm AE-107 \$130.00      AE-110 \$85.00                                                                                                                                                                                                                           |                                 |
| <b>AE-111</b>                                                                                                                                                                                                                                                 | Fire Safety Guidelines for Polystyrene Kitchen Cabinet Doors. A bulletin covering combustibility characteristics, recommendations, and testing programs                                                                                                             | No charge                       |
| <b>AE-112</b>                                                                                                                                                                                                                                                 | Harvard School of Public Health Air Contaminants in Structural Fires                                                                                                                                                                                                | \$50.00                         |
| <b>AE-113</b>                                                                                                                                                                                                                                                 | Hazard Communication Manual Provides guidance for complying with the OSHA Hazard Communication Standard                                                                                                                                                             | M - \$65.00<br>NM - \$90.00     |
| <b>AE-114</b>                                                                                                                                                                                                                                                 | Investigation of Combustion Atmospheres in Real Building Fires                                                                                                                                                                                                      | \$50.00                         |
| <b>AE-115</b>                                                                                                                                                                                                                                                 | PlasTips Reference Guide The safety and health reference guide for the plastics processor written for supervisory and management personnel presents the fundamentals of safety and health for the plastics processor                                                | M - \$25.00<br>NM - \$60.00     |
| PlasTips Slide/Tape Safety Training Program<br>(Also available in Beta or VHS Video Cassette)                                                                                                                                                                 |                                                                                                                                                                                                                                                                     |                                 |
|                                                                                                                                                                                                                                                               | Slide/Tape    VHS    Beta                                                                                                                                                                                                                                           |                                 |
| <b>#1</b>                                                                                                                                                                                                                                                     | Protecting Your Hearing<br>Art of Self Defense                                                                                                                                                                                                                      | <b>AE-116   AE-124   AE-132</b> |
| <b>#2</b>                                                                                                                                                                                                                                                     | Manual Materials Handling<br>The Winning Picture                                                                                                                                                                                                                    | <b>AE-117   AE-125   AE-133</b> |
| <b>#3</b>                                                                                                                                                                                                                                                     | Mechanical Materials Handling<br>Where Safety Comes First                                                                                                                                                                                                           | <b>AE-118   AE-126   AE-134</b> |
| <b>#4</b>                                                                                                                                                                                                                                                     | Machinery Safety<br>Your First Line of Defense                                                                                                                                                                                                                      | <b>AE-119   AE-127   AE-135</b> |
| <b>#5</b>                                                                                                                                                                                                                                                     | Electrical Safety in the Plastics Plant                                                                                                                                                                                                                             | <b>AE-120   AE-128   AE-136</b> |
| <b>#6</b>                                                                                                                                                                                                                                                     | Working With Chemicals in the<br>Plastics Plant                                                                                                                                                                                                                     | <b>AE-121   AE-129   AE-137</b> |
| <b>#7</b>                                                                                                                                                                                                                                                     | A Fire Safe Plant Is Up To You                                                                                                                                                                                                                                      | <b>AE-122   AE-130   AE-138</b> |
| <b>#8</b>                                                                                                                                                                                                                                                     | Accident Prevention, Investigation<br>and Response<br>(Directed at Supervisory Personnel)                                                                                                                                                                           | <b>AE-123   AE-131   AE-139</b> |
| <b>AE-140</b>                                                                                                                                                                                                                                                 | Progress in Fire Safety Technology Proceedings of Fire Retardant Chemicals Association (FRCA)/SPI Coordinating Committee for Fire Safety joint meeting March 19-21 1986 Crystal City VA Topics include research activities codes and regulations, hazard assessment | M - \$35.00<br>NM - \$70.00     |

## SPI—SAFETY (continued)

|               |                                                       |                             |
|---------------|-------------------------------------------------------|-----------------------------|
| <b>AE-141</b> | Survey State of the Art of Mathematical Fire Modeling | \$25.00                     |
| <b>AE-142</b> | Thirteenth International Combustibility Symposium     | M - \$25.00<br>NM - \$50.00 |

## COMPOSITES INSTITUTE

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| <b>AF-104</b> | FRP Distribution: The Critical Link Brochure | No charge                    |

## COMMITTEE ON ACOUSTIC EMISSION FROM REINFORCED PLASTICS (CARP)

|               |                                                                                            |                             |
|---------------|--------------------------------------------------------------------------------------------|-----------------------------|
| <b>AF-102</b> | Second International Symposium on Acoustic Emission from Reinforced Plastics (Proceedings) | M - \$85.00<br>NM - \$75.00 |
| <b>AF-103</b> | Recommended Practice for Acoustic Emission Testing of Fiberglass Tanks/Vessels             | M - \$5.00<br>NM - \$10.00  |

## CONFERENCE PROCEEDINGS

Each proceedings book contains more than 125 technical papers from the annual Composites Institute Conference

|                                  |                                                                                                                                                                                                                                |                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <b>AF-104</b>                    | 36th Conference (1981)                                                                                                                                                                                                         | AF-104 -                                     |
| <b>AF-106</b>                    | 37th Conference (1982)                                                                                                                                                                                                         | AF-107:                                      |
| <b>AF-108</b>                    | 38th Conference (1983)                                                                                                                                                                                                         | M - \$90.00 ea.<br>NM - \$115.00 ea.         |
| <b>AF-107</b>                    | 39th Conference (1984)                                                                                                                                                                                                         |                                              |
| Segments of the 39th Conference: |                                                                                                                                                                                                                                |                                              |
| <b>AF-109</b>                    | Volume A (Pultrusion, Corrosion-Resistance, Infrastructure, FRP I, FRP II, Marketing)                                                                                                                                          | AF-108 -                                     |
| <b>AF-110</b>                    | Volume B (Transportation/Materials, Infrastructure, SMC/BMC II, Reinforced Thermoplastics)                                                                                                                                     | AF-111:                                      |
| <b>AF-111</b>                    | Volume C (R&D, Interface, Infrastructure, Advance Composites Testing)                                                                                                                                                          | M - \$30.00 ea.<br>NM - \$55.00 ea.          |
| <b>AF-112</b>                    | Volume D (Construction/Marine, Infrastructure, Processing I, Processing II, Fillers & Additives I, Fillers & Additives II)                                                                                                     |                                              |
| <b>AF-112</b>                    | 40th Conference (1985)                                                                                                                                                                                                         | AF-112 -                                     |
| <b>AF-113</b>                    | 41st Conference (1986)                                                                                                                                                                                                         | AF-114:                                      |
| <b>AF-114</b>                    | 42nd Conference (1987)                                                                                                                                                                                                         | M - \$90.00 ea.<br>NM - \$115.00 ea.         |
| <b>AF-115</b>                    | 43rd Conference (1988)                                                                                                                                                                                                         | M - \$90.00<br>NM - \$135.00 ea.             |
| <b>AF-116</b>                    | Designers' Day Seminar - 43rd Annual Conference and FOCUS '88. A 24-page booklet covering the basics of using composites, including types of material, processes, design and the business structure of the composites industry | M - \$5.00<br>NM - \$15.00                   |
| <b>AF-117</b>                    | Awards of Excellence Photographs and descriptions of product awards from the 43rd Conference                                                                                                                                   | M - \$5.00<br>NM - \$7.00                    |
| <b>AF-118</b>                    | 1988 Industry Report.                                                                                                                                                                                                          | CI - No charge<br>M - \$5.00<br>NM - \$10.00 |
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## COMPOSITES INSTITUTE (continued)

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**AF-118** #2 User's Guide for Fans & Blowers  
**AF-119** #3 User's Guide Historical Reprint of NBS 1569, Product Standard  
**AF-120** #4 User's Guide Piping Systems  
**AF-121** #5 User's Guide Structural Assemblies  
**AF-122** #6 User's Guide Vendor Qualification  
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**AF-126** Fire Safety Guidelines for Use of  
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**AF-127** NGMA Glazing Standards The testing of commercial and sunspace  
 glazing materials  
**AF-128** Recommended Installation Practice for Glass Fiber-Reinforced  
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 NM - \$10.00  
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 the original cohort study  
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- AH-113** Fact-Finding Report on the Flammability of EPS Insulation Used in Conjunction with Plywood Paneling in Full-Scale Enclosure Construction. (Underwriters Labs, 1975)
- AH-114** Fact-Finding Report on the Flammability of EPS Insulation (with and without Wooden Dividers) in Full-Scale Building Enclosure Construction. (Underwriters Labs, 1975)
- AH-115** Fact-Finding Report on the Flammability of Expanded Polystyrene Insulation When Used as Full-Scale Building Enclosure Ceiling Construction Material. (Underwriters Labs, 1975)
- AH-116** Flammability Studies of Foamed Plastic Insulation Board with Gypsum Wallboard Finish. (Underwriters Labs, 1978)
- AH-117** Full-Scale Fire Tests on Exterior Sheathing. (Southwest Research Institute, 1980)
- AH-118** Full-Scale Fire Tests on EPS Exterior Sheathing: Task I: Interior Fire Source. (Southwest Research Institute, 1977)
- AH-119** Full-Scale Fire Tests on EPS Exterior Sheathing: Task II: Cavity Ignition. (Southwest Research Institute, 1977)
- AH-120** Literature Review of the Combustion Toxicity of Expanded Polystyrene. (Southwest Research Institute, 1986)
- AH-121** Moisture Absorption and Its Effect on the Thermal Properties of EPS Insulation for Foundation Applications. Molded EPS. (University of Minnesota, 1986)
- AH-122** Molded EPS Roofing, Wall and Foundation Design Ideas
- AH-123** Preliminary Investigation for Foamed Plastic. Full-Scale Corner Test 7 1/2-inch Thickness EPS (Underwriters Labs, 1982)
- AH-124** Report on Fire Tests of Conventional Gravel-Surfaced Four-Ply Asphalt Organic-Felt Built-Up Roof Covering Applied Over Fire-Retardant-Treated Polystyrene Foam Board Insulation. (Underwriters Labs, 1976)
- AH-125** Room Drop-Out Test of a Foamed Plastic Ceiling Panel. (Underwriters Labs, 1976)

## EXTRUSION DIVISION

- AI-101** An Introduction to Extrusion. An explanation of most of the common machines, methods, and materials used for the production of tubing, pipes, and profiles or shapes. M - \$2.50  
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For Financial Management Committee-sponsored surveys (Labor, Financial and Operating Ratios, Salary and Sales Policy, and Employee Benefits), please see listings under **STATISTICS**.

## FOAM CUP AND CONTAINER DIVISION

Let's Be Ecological About Polystyrene Foam

## FOOD, DRUG & COSMETIC PACKAGING MATERIALS COMMITTEE

**FDA Public Information Regulations (1977)** A guide and introduction to understanding the public information regulations of the Food and Drug Administration

## INTERNATIONAL DIVISION

**AM-101** International Division. A brochure outlining objectives, activities and organization of the division.

## MACHINERY DIVISION

**AN-101** Blow Molding Machinery Nomenclature

**AN-102** Interpretation of Color Coding for Marking Physical Hazards for Injection Molding Machines

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## RY DIVISION (continued)

Recommended Noise Measurement Procedure for Granulators

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Classification of Injection Molds for Thermoplastic Materials. A guide for the purchaser or manufacturer of thermoplastic injection molds (Revised 1983).

Customs and Practices of the Moldmaking Industry (Booklet). A publication intended to point out what is customary practice and to call the attention of both the moldmaker and the mold buyer to the necessity of understanding all facets of their relationship, and working in mutual agreement.

Directory of Moldmaker Services

Labor Survey of Plastics Moldmaking Companies. Summarizes information submitted by moldmaking shops in the U.S. and Canada

Mold Data and Quotation Form

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| AS-101 |  |
| AS-102 |  |
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Commercial Organic Peroxide Toxicological Data (19B). A basic reference document.

Guide for Precautionary Labeling for Organic Peroxides (19A). Additional guidelines specific to organic peroxides for precautionary labeling, to be utilized in conjunction with those provided in the ANSI standard.

The Storage and Handling of Organic Peroxides in the Reinforced Polyester Fabricating Plant (19). An advisory bulletin for the peroxide formulations commonly used in reinforced polyester manufacture.

Suggested Relative Hazard Classification of Organic Peroxides (19E)

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## PHENOLIC MOLDING DIVISION

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Advanced Molded Phenolics: File Folder

21st Century Phenolics: Properties, Processes, Applications. First Annual Conference proceedings.

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# C BOTTLE INSTITUTE

## PUBLICATIONS

Energy Use and Resource Recovery. Position Paper, 1981.

Facts About Milk in Plastic Bottles.

Good Practices Manual for Packaging in Plastic Bottles with Glossary of Plastic Bottle Terminology. Technical information and guidance for producers, distributors and users of plastic bottle packaging

Plastic Bottle Recycling—A Status Report

Plastic Bottle Recycling Directory & Reference Guide (1988)

Plastic Bottle Reporter. Quarterly subscription newsletter on plastic bottles' role in environmental issues.

Stacking Performance of Plastic Bottles in Corrugated Boxes (Summary)

U.S. Municipal Solid Waste Management. Position Paper, 1981

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| SP-425 | Finish Drawing Only                                     |                               |
| SP-444 | Finish Drawing Only                                     |                               |
| PBI-3  | Vertical Compression Test                               |                               |
| PBI-4  | Drop Impact Resistance Test                             |                               |
| PBI-5  | Polyolefin Bottle Permeability and Compatibility Test   |                               |
| PBI-6  | Evaluating Flame Surface Treatment of PE and PP Bottles |                               |
| PBI 7  | Closure Torque Test                                     |                               |
| PBI-8  | Capacity Determination—Fill Point and Overflow          |                               |
| PBI-9  | Soot Accumulation Test                                  |                               |

# PLASTIC BOTTLE INSTITUTE (continued)

## TECHNICAL—TEST METHODS

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| AU-143 | PBI-12                                                                                                                            | Dead Load Compressive Test—Water Filled and Capped                                                   |                                |
| AU-144 | PBI-13                                                                                                                            | Compression Test for Corrugated Boxes and Inserts                                                    |                                |
| AU-145 | PBI-14                                                                                                                            | Stack Compression Test—Stacking Pattern—Pallet Design Factor                                         |                                |
| AU-146 | PBI-15                                                                                                                            | Visual Color Evaluation of Transparent Bottles                                                       |                                |
| AU-147 | PBI-16                                                                                                                            | Recommended Practice for Measuring 60° Specular Gloss of Transparent Plastic Bottles                 |                                |
| AU-148 | PBI-17                                                                                                                            | Recommended Practice for Measuring Haze of Transparent Plastic Bottles                               |                                |
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# PLASTICS PIPE INSTITUTE

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| AW-102 | Impact of Plastic Pipe and Fittings on Water Quality. A paper by Stanley A. Mruk from an EPA seminar on "Plumbing Materials and Drinking Water," May 1984 | M - \$2.50<br>NM - \$5.00 |

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AW-100

Manual on the Selection and Installation of Thermoplastic Water Well Casing (1980). A 62-page manual that reviews proper selection, installation and use of thermoplastic water well casing. Prepared and published by the National Water Well Association, Worthington, Ohio, and PPI.

AW-104

Plastic Pipe in Gas Distribution—Twenty-five Years of Achievement. Reprint from *Gas Industries* magazine, November 1985

AW-105

Plastics Piping. Chapter 10-3 reprinted from *Standard Handbook of Plant Engineering* (1983). An introduction to plastics piping technology. Includes product descriptions, listing of standards and the basics of product selection, design and installation.

AW-107

Polyethylene Piping Systems for Gas Distribution. Three papers presented by members of the Plastics Pipe Institute at the April, 1984 Pacific Coast Gas Association Distribution Conference.

AW-108

Polyolefin Piping (1985). An illustrated 18-page brochure demonstrating the versatility of polyolefin piping, and including a general overview of design guidelines, storage, handling, joining and installation techniques, plus applicable standards.

AW-109

PPI Annual Pipe Statistical Review. Shipments (reported in pounds) of polyethylene pipe, tube and conduit

AW-110

Renewing Sewers with Polyolefin Pipe (1976). A fully illustrated 12-page brochure introducing the field-proven method of "sliplining" polyolefin pipe into corroding municipal or industrial piping systems.

AW-163

Validating the Hydrostatic Design Basis of PE Piping Materials. Paper delivered by Stanley A. Mruk at the Ninth Plastic Fuel Gas Pipe Symposium, November 1985.

AW-164

Pipeline Rehabilitation with Polyethylene Pipe. A 24-page report of design and construction procedures for the restoration of pressure and non-pressure pipelines by sliplining new polyethylene pipe into deteriorated lines.

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AW-166

Plastics Pipe. An article by Stanley A. Mruk and M. J. Stein reprinted from *ASTM Standardization News*, September 1987

AW-167

Performance of Polyolefin Pipe and Tubing in the Water Service Application. A report prepared by Richard E. Chambers of Simpson, Gumpertz & Heger, Inc., Consulting Engineers

## SLIDE PROGRAMS

Training Aids for the Joining and Installation of Polyethylene (PE) Gas Distribution Piping. A six-part slide series that provides accurate information about techniques and regulations. Each presentation is sold separately with script

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Overview—Basics of designing, installing and operating a plastics piping system, with an introduction to standards, codes, and regulations, and a review of joining methods (approx. 100 slides).

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AW-117

Mechanical Joining. Covers DOT regulations, classification, pipe preparation, fitting assembly and installation (51 slides)

## TECHNICAL REPORTS

AW-118

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AW-119

TR3 Policies and Procedures for Developing Recommended Hydrostatic Design Stresses for Thermoplastic Pipe Materials (1988)

AW-120

TR4 Recommended Hydrostatic Strengths and Design Stresses for Thermoplastic Pipe and Fittings Compounds (1988)

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TR7 Recommended Method for Calculation of Nominal Weight of Plastic Pipe (1988)

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TR8 Installation Procedures for Polyethylene (PE) Plastic Pipe (1984)

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TR9 Recommended Services (Design) Factors for Pressure Applications of Thermoplastic Pipe Materials (1988)

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TR10 Recommended Practice for Making Solvent Cemented Joints with Polyvinyl Chloride Plastic (PVC) Pipe and Fittings (1988)

AW-126

TR11 Resistance of Thermoplastic Piping Materials to Micro- and Macro-Biological Attack (1969)

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TR13 Polyvinyl Chloride (PVC) Plastic Piping Design and Installation (1973)

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TR14 Water Flow Characteristics of Thermoplastic Pipe (1971)

# TECHNICAL REPORTS

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| <b>AW-135</b> | TR31 | Underground Installation of Polyolefin Piping (1979)                                                                        | M - \$5.00<br>NM - \$10.00  |

# TECHNICAL NOTES

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| <b>AW-139</b> | TN5              | Testing Equipment (1972)                                                                  | M - \$2.00<br>NM - \$4.00 |
| <b>AW-140</b> | TN6              | Recommendations for Coiling Polyethylene Plastic Pipe and Tubing (1972)                   | M - \$2.00<br>NM - \$4.00 |
| <b>AW-141</b> | TN7              | The Nature of Hydrostatic Time-To-Rupture Plots (1973)                                    | M - \$2.00<br>NM - \$4.00 |
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| <b>AW-146</b> | TN14             | Plastic Pipe in Solar Heating (1986)                                                      | M - \$2.00<br>NM - \$4.00 |
| <b>AW-147</b> | Recommendation A | Limiting Water Velocities in Thermoplastic Piping Systems (1971)                          | No charge                 |
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| <b>AW-150</b> | Statement D      | Polyethylene Plastic Pipe Systems for Commercial Propane Gas Distribution (1973)          | No charge                 |
| <b>AW-152</b> | Statement G      | Indented Markings (1974)                                                                  | No charge                 |

# TECHNICAL NOTES

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| <b>AW-153</b> | Statement H | Noise in Piping (1988)                                                                           |
| <b>AW-154</b> | Statement J | Hydrostatic Strengths and Suggested Pressure Ratings of CPVC 4120 at Various Temperatures (1976) |
| <b>AW-155</b> | Statement L | Thermoplastic Piping in Fire Sprinkler Systems (1979)                                            |
| <b>AW-156</b> | Statement N | Pipe Permeation (1984)                                                                           |

# POLYURETHANE DIVISION

## CONFERENCE PROCEEDINGS

|               |                                                                                                                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AX-101</b> | Meeting of the Minds: Marketing Polyurethane Technology. Proceedings of annual Technical/Marketing Conference, Oct 20-22, 1982, Bal Harbour, Florida                                                                                   |
| <b>AX-102</b> | New Paths to Progress. Proceedings of annual International Technical/Marketing Conference, Nov 2-4, 1983, San Diego, California                                                                                                        |
| <b>AX-103</b> | Partners in Progress. Proceedings of annual Technical/Marketing Conference Nov 5-7, 1984, San Antonio, Texas                                                                                                                           |
| <b>AX-104</b> | The Magic of Polyurethane. Proceedings of annual Technical/Marketing Conference Oct 23-25, 1985, Reno, Nevada (2 volumes)                                                                                                              |
| <b>AX-121</b> | Exploring New Horizons. Proceedings of Annual Technical/Marketing Conference, Oct 15-17, 1986, Toronto, Canada                                                                                                                         |
| <b>AX-105</b> | Expand Your Line. Expand Your Sales. Foam Core Mattresses Give the Consumer a Choice (U 114)                                                                                                                                           |
| <b>AX-106</b> | Polyurethane and Polyisocyanurate Foam Insulation (Sweets Brochure)                                                                                                                                                                    |
| <b>AX-122</b> | The New York State Toxicity Data Bank—Answers for Manufacturers and Users of Polyurethane and Polyisocyanurate Thermal Insulation.                                                                                                     |
| <b>AX-123</b> | Polyurethanes World Congress 1987: 50 Years of Polyurethanes. Collection of conference papers presented at the Polyurethanes World Congress, September 29 - October 2, 1987, Aachen FRG. Co-sponsored by the SPI/FSK 156 presentations |
| <b>AX-124</b> | Test Methods for Polyurethane Raw Materials. Collection of methods for analyzing polyurethane raw materials. ASTM methods and others to be revised or totally new (For isocyanates, polyols, urethane prepolymers and general)         |
| <b>AX-125</b> | Flexible Polyurethane Foam in Today's Fire Environment. 1/2" VHS videotape used to educate fire fighters about the combustibility aspect of flexible polyurethane foam                                                                 |
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