



cc: RZ
File

A. Schulman Inc.
International Headquarters

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MAILING ADDRESS: P.O. BOX 1710 • AKRON, OHIO 44309-1710

July 22, 1988

Chardon Rubber
373 Washington St.
Chardon, OH 44024

Attention: Mr. Bob Bahr

Dear Bob:

Enclosed are data sheets and a price schedule you requested pertaining to POLYVIN® 7929-31 compound. The truckload price for this compound is currently .69 per pound, Schedule "B" for LTL quantities. Three week lead time is required.

Thank you for your interest in A. Schulman products, and, please, don't hesitate to call should you have any questions.

Very truly yours,

A. SCHULMAN INC.

John H. Schumacher

JHS:mb

Enclosure

CHARDO 01995

THE CHARDON RUBBER COMPANY
CERTIFICATION OF TEST RESULTS

DATE 8-4-88

FOR: _____ MAT'L SPEC. CHRYSLER SPEC MS-DC26

PART NO. _____ ORDER NO. _____ COMPOUND NO. SHULMAN
POLYVAN 7929

ORIGINAL UNAGED PROPERTIES

Tensile, psi
Elongation, %
Durometer (15 SECOND READING)
Color

REQUIRED

OBTAINED

<u>2000</u>	<u>2162</u>
<u>275</u>	<u>394</u>
<u>80-5+0</u>	<u>75</u>

AIR OVEN AGED HRS. @

Tensile, % Change
Elongation, % Change
Durometer, Change

_____	_____
_____	_____
_____	_____

COMPRESSION SET METHOD B HRS. @
% Set

_____	_____
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SUFFIX TESTING

ORIGINAL UNAGED PROPERTIES CONT.

1. SPECIFIC GRAVITY
2. TEAR STRENGTH

<u>1.35 MAX</u>	<u>1.31</u>
<u>450 lb/in</u>	<u>487</u>

8. PLASTICIZER MIGRATION
9. COLD TEST - 40°F

<u>ENAMEL NEGATIVE</u>	<u>PASS</u>
<u>NOT BRITTLE</u>	<u>PASS</u>

The test results are certified to be accurate and representative of the submitted samples as determined by tests conducted by our laboratory.

THE CHARDON RUBBER COMPANY

CERTIFICATION OF TEST RESULTS

DATE 8-4-88

FOR: _____ MAT'L SPEC. Chrysler Spec MS-DC26

PART NO. _____ ORDER NO. _____ COMPOUND NO. SHULMAN
POLYVAN 7929

		REQUIRED	OBTAINED
ORIGINAL UNAGED PROPERTIES			
Tensile, psi		<u>2000</u>	<u>2162</u>
Elongation, %		<u>275</u>	<u>394</u>
Durometer (15 SECOND READING)		<u>80 -5 +0</u>	<u>75</u>
Color			
AIR OVEN AGED HRS. @			
Tensile, % Change			
Elongation, % Change			
Durometer, Change			
COMPRESSION SET METHOD B HRS. @			
% Set			

SUFFIX TESTING

ORIGINAL UNAGED PROPERTIES CONT.

1. SPECIFIC GRAVITY	<u>1.35 MAX</u>	<u>1.31</u>
2. TEAR STRENGTH	<u>450 lb./In</u>	<u>PASS 450</u>
8. PLASTICIZER MIGRATION	<u>ENAMEL NEGATIVE</u>	<u>PASS</u>
9. COLD TEST -40° F	<u>NOT BRITTLE</u>	<u>PASS</u>



The test results are certified to be accurate and representative of the submitted samples as determined by tests conducted by our laboratory.

CR-115

CHARDO 01994



A. Schulman Inc.

Technical Data Sheet

WORLD HEADQUARTERS: 1150 WEST WASHINGTON, ST. LOUIS, MISSOURI 63102
HOME OFFICE: 1150 WEST WASHINGTON, ST. LOUIS, MISSOURI 63102
NEW YORK OFFICE: 100 WALL STREET, NEW YORK, NEW YORK 10038

April 20, 1973

VINYL COMPOUND 7929

Application: General purpose injection molding compound.

<u>TEST</u>	<u>TEST VALUE</u>	<u>ASTM NO.</u>
Durometer, Shore A		
Instant	88 $\pm$ 2	D-2240
15 Second Delay	79 $\pm$ 2	
Specific Gravity	1.33 $\pm$.02	D-792
Tensile Strength, psi	2350	D-412
Ultimate Elongation, %	325	D-412
Brittleness	-30°F	D-746
Burning Rate	Self Extinguishing No Burning Rate	FMVS-302

The above physical properties are typical values obtained on compression sheets and tested in accordance with accepted test methods.

COLOR: Normal Color Range

STANDARD PACKAGE: 1/8" Cubical Pellets in 50 lb bags

Note: While the information herein is believed to be reliable and correct, nothing herein is intended and should not be construed as a representation or warranty, express or implied, as to results obtained or to be obtained by others who may make use of this information or with respect to the absence, existence or validity of patent rights, if any, of others involving any composition or process herein referred to; or an inducement or recommendation for the violation of any such patent rights; and responsibility and liability therefore is disclaimed.

CHARDO 01996



MATERIAL SAFETY DATA SHEET

A. Schulman Inc.

3550 West Market Street
Akron, Ohio 44310
Telephone (216) 666-3751

HAZARD RATING

LEAST 0
SLIGHT 1
MODERATE 2
HIGH 3
EXTREME 4

HEALTH	+	2
FIRE	🔥	1
REACTIVITY	⚡	0

PRODUCT INFORMATION

IDENTITY (TRADE NAME)

POLYVIN^R 7929

PRODUCT TYPE:

Modified Polyvinyl Chloride

DOES THIS PRODUCT CONTAIN ANY HAZARDOUS CHEMICALS AS DEFINED IN FEDERAL HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200?

☐ YES

☒ NO

HAZARDOUS INGREDIENTS

SPECIFIC CHEMICAL NAME	SYNONYMS/COMMON NAME	PEL/TLV	CAS NO.
	DOES NOT APPLY		

IS ANY CHEMICAL PRESENT IN THIS PRODUCT AT A CONCENTRATION OF 0.1% OR MORE, CLASSIFIED AS A CARCINOGEN BY IARC, NTP OR OSHA?

☐ YES

☒ NO

PHYSICAL DATA

MELTING POINT: Not Applicable

SPECIFIC GRAVITY:

1.33 ± .02

SOLUBILITY IN WATER: Insoluble

% VOLATILE:

Not Applicable

APPEARANCE AND ODOR: Pellets/Bland Odor

FORM:

Solid

FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED)

735° F

ASTM 1929

EXTINGUISHING MEDIA:

☒ FOAM

☒ CO₂

☒ DRY CHEMICAL

☒ WATER FOG/SPRAY

☐ OTHER

SPECIAL FIRE FIGHTING PROCEDURE:

Wear SCBA (self contained breathing apparatus) to prevent inhalation of combustion and degradation gases.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Liberates HCL (hydrogen chloride) gas when held above 425° F for time periods of 1/2 hour or more.

REACTIVITY DATA

STABILITY:

Stable

HAZARDOUS POLYMERIZATION:

None

CONDITIONS TO AVOID:

Overheating in excess of 425°F for 1/2-hour.

MATERIALS TO AVOID:

Acetal, acetal copolymers, and amines.

HAZARDOUS DECOMPOSITION PRODUCTS:

CO₂ (carbon dioxide), CO (carbon monoxide), HCL (hydrochloric acid), and minor amounts of hydrocarbon vapors.

CHARDO 01997



A. Schulman Inc.

SALES POLICY AND LESS THAN TRUCK LOAD (LTL) UPCHARGES

	COLORS CLEARS	NATURALS BLACKS	STOCK NATURALS STOCK BLACKS
Product Color Category	A	B	C
40,000 to max. T/L	Base T/L Price	Base T/L Price	Base T/L Price
24,000 to 39,999 lbs.	+ \$0.01	+ \$0.01	+ \$0.01
16,000 to 23,999 lbs.	+ \$0.04	+ \$0.04	+ \$0.02
8,000 to 15,999 lbs.	+ \$0.12	+ \$0.06	+ \$0.03
5,000 to 7,999 lbs.	+ \$0.22	+ \$0.11	+ \$0.06
3,000 to 4,999 lbs.	+ \$0.40	+ \$0.20	+ \$0.10
2,000 to 2,999 lbs.	+ \$0.60	+ \$0.30	+ \$0.15
1,000 to 1,999 lbs.	+ \$1.25	+ \$0.63	+ \$0.32
500 to 999 lbs.	+ \$2.50	+ \$1.25	+ \$0.63

1. All shipments are FOB production plant. Minimum freight prepaid and allowed on shipments 16,000 lbs. and above if destination is within the continental United States.

2. On all orders a commercial shipping tolerance of $\pm 10\%$ will apply, except on custom orders for less than 8,000 lbs. may be shipped $\pm 1,000$ pounds according to what is produced. If an overshipment causes a change in LTL category the pricing will be reduced to reflect the lower LTL upcharge.

3. Normal packaging—gaylords on pallets—bag packaging available on request for selected products.

4. Shipments west of the Rockies from Ohio based plants—please add \$.03/lb. to base truckload price.

5. Terms—Net 30 Days—subject to credit approval.

Prices subject to change without notice.

Prices effective 5/1/86

A. SCHULMAN INC., OFFICES IN THE UNITED STATES

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CHARDO 01998