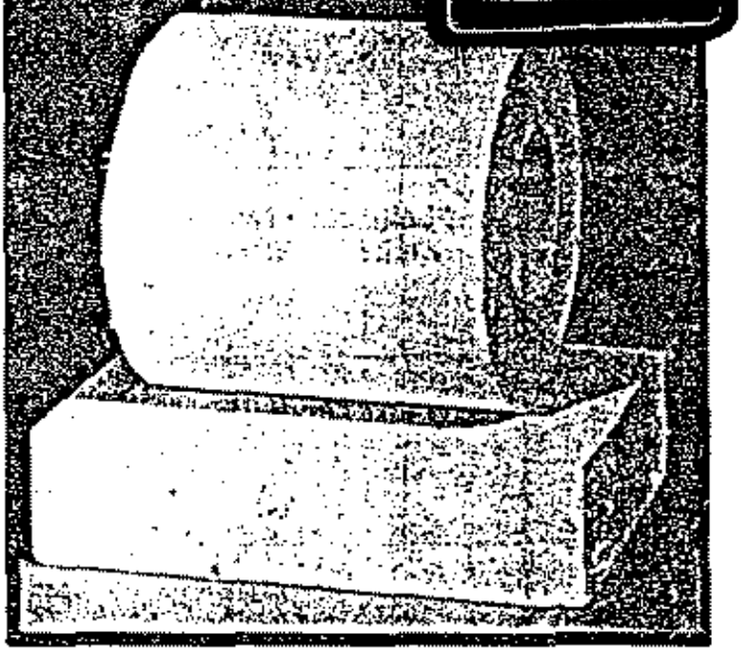
PLAINTIFF'S EXHIBIT
WV-02902

ACandS INC.

PRODUCT DATA

PLAINTIFF'S EXHIBIT
15240

LK CALCIUM SILICATE INSULATION



DESCRIPTION

LK Calcium Silicate Insulation is a light weight, molded, hydrous material manufactured by reacting a blend of special inorganic ingredients, reinforced with selected long fibers under suitable conditions of heat and water. LK Insulation is chemically converted under carefully controlled conditions into a strong, hard material.

This product is made in half sectional and regular segmental shapes, as well as block form, thus eliminating the need to stock a variety of different types of insulation. Pipe sizes correspond to standard iron pipe and copper tubing.

SIZES AND THICKNESSES:

LK Pipe Insulation (36" lengths)

Iron Pipe (IPS)	– ¼" to 33"
Copper Tubing (CT)	– ½" to 6-1/8"
Thicknesses	– 1", 1½", 2", 2½", 3", 4" & 5" (depending on pipe size)

LK Block Insulation (18" and 36" lengths)

Widths	– 3", 6", 9", and 12"
Thicknesses	– ½" to 4"

LK Pipe Insulation is available plain or with jacketing materials as described on the reverse side.

LK Block Insulation is available in regular rectangular form in any of the dimensions indicated above and also factory stored to fit any contour, as required.

SPECIFICATION COMPLIANCE

LK Pipe Insulation

Federal Specification	HH-I-523c, Type II
Military Specification	MIL-I-2781D, Grade I, Class b; Grade II, Class d; Grade III, Class e, Type I
ASTM Specification	C533

LK Block Insulation

Federal Specification	HH-I-523c, Type I
Military Specification	MIL-I-2819E, Class 1 & 2
ASTM Specification	C533

USES

The low thermal conductivity of this product makes it ideal high temperature insulation for piping, ducts and equipment. LK Insulation is designed for temperatures up to 1200°F.

PHYSICAL PROPERTIES

Density, lbs./cu. ft. (Avg)	12.0
Temperature Limit, °F	1200
Thermal Conductivity (Btu/hr sq ft (F/in)	
At 300°F Mean Temperature	0.41
500°F Mean Temperature	0.51
Flexural Strength, lbs./sq. in.	75
Compressive Strength (at 5% deformation) psi	90 - 100
Linear Shrinkage after 24 hr. soaking heat	
At 1200°F, % Max.	1.8

ADVANTAGES

EXCEPTIONAL STRENGTH AND EASE OF HANDLING – LK Insulation is tough and resilient, thus it ships and handles on the job without cracking.

CHEMICALLY STABLE – This material is completely inorganic and will not rot or burn. It is non-flammable and may be specified advantageously for use in the presence of inflammable gases and liquids.

NOT DAMAGED BY WATER – LK Insulation can be soaked in water without damage. After drying, thermal conductivity is as good as before soaking. It is suited for outdoor and underground applications.

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AVAILABLE JACKETS FOR LK CALCIUM SILICATE INSULATION

ORDERING NAME	DESCRIPTION
CANVAS	Standard weight or nominal 4, 6, and 8 ounce jackets, with a minimum 1½" longitudinal lap.
FLAME RESISTANT JACKET (WHITE)	A laminate of white bleached kraft and foil bonded with flame extinguishing adhesive reinforced with fiber glass yarn. All jackets have a minimum 1½" longitudinal lap.
WEATHERPROOF ROOFING JACKET	An asbestos felt base, saturated and coated with asphalt, available in 45 lb. weight. All jackets have a minimum 1½" longitudinal lap.
ALUMINUM	.016 smooth or embossed factory applied aluminum with vapor barrier.
STAINLESS STEEL	.010 stainless steel, factory applied.