DESCRIPTION

Micro-Lok *HP* Plain □berglass pipe insulation is a high-performance insulation made from biosoluble glass □bers bonded with a thermosetting resin and produced in 36 inch (0.92 m) lengths. Micro-Lok *HP* Plain is used to insulate standard iron pipe, plastic pipe and copper tubing.

USES

Micro-Lok *HP* Plain □berglass pipe insulation is suitable for installation over hot, cold, concealed and exposed piping systems with operating temperatures up to 850°F (454°C). Weather-protective jacketing is required for outdoor applications.

Operating Temperature Limits: 0°F to 850°F (-18°C to 454°C)

SPECIFICATION COMPLIANCE

- ASTM C 547 Type I (Replaces HH-I-558B, Form D, Type III, Class 12, Class 13 up to 850°F [454°C])
- ASTM C 585 – Dimension Standard
- MIL-DTL-32585 Type 1, Form 4, Facing A (unjacketed only)
- MIL-I-22344D, MIL-PRF-22344E
- Coast Guard/IMO Approved 164.109/56/0 (plain, excluding ⅞ x ½ [22 mm x 13 mm], ½ x ½ [13 mm x 13 mm])
- California Bureau of Home Furnishings and Thermal Insulation – Registry Number CA-T040 (CO)

- NRC 1.36, ASTM C 795, MIL-I-24244C, MIL-DTL-24244D*

*When ordering material to comply with these speci□caitons, a statement of that fact must appear on the purchase order. Speci□c lot testing will be conducted, and a certi□cation of compliance can be provided.

PHYSICAL PROPERTIES

Service Temp. Range (ASTM C 411)	0°F to 850°F (-18°C to 454°C)
Moisture Sorption	<5% by weight
Alkalinity	<0.6% expressed as Na_2O
Corrosivity (ASTM C 665)	Does not accelerate
Shrinkage (ASTM C 356)	None
Microbial Growth (ASTM C 1338)	Does not promote microbial growth
Surface Burning Characteristics	Composite FHC 25/50 per ASTM E 84, NFPA 255, CAN/ULC S102-M88
Limited Combustibility	NFPA 259

THERMAL CONDUCTIVITY ("K") *

* Apparent thermal conductivity values are determined by applying procedures dictated per

SUSTAINABLE BUILDING ATTRIBUTES

Manufacturing Location	De□ance, Ohio (43512)	
Recycled Content (glass only)	32%	
Volatile Organic Compounds (ASTM D 5116) (Analysis ASTM D 6196 & ASTM D 5197)	Total	0.15 g/l
Fiberglass Pipe Insulation	Formaldehyde Aldehydes	0.009 ppm 0.009 ppm
LEED® Credits LEED-NC	See JM.com/buildgreen JM LEED Credit Guide (HIG-1231)	

SIZE AVAILABILITY

Insulation Thickness		Iron Pipe Size Range		Copper Tubing Size Range	
in.	mm	in.	mm	in.	mm
½	13	½ – 6	13 – 152	⅝ – 4⅛ [5]	16 – 105
1	25	½ – 24	13 – 610	⅝ – 6⅛	16 – 156
1½	38	½ – 24	13 – 610	⅝ – 6⅛	16 – 156
2	51	½ – 24	13 – 610	1⅛ – 6⅛	29 – 156
2½	64	1 – 24	25 – 610	1⅜ – 6⅛	35 – 156
3	76	1 – 24	25 – 610	1⅜ – 6⅛	35 – 156
3½	89	1½ – 24[1]	38 – 610		
4	102				

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