



CFC and HCFC free RIGID PHENOLIC INSULATION

PROPERTIES	STANDARD	UNITS
COLOR		Green
NOMINAL DENSITY	ASTM D-1622	2.5 lb/ft ³
THERMAL CONDUCTIVITY	ASTM C-518	0.15 Btu·in./hr·ft ² ·°F@75°F
TEMPERATURE LIMITS		-290°F to +250°F
SPECIFIC HEAT		0.45 Btu/lb·°F
COMPRESSIVE STRENGTH	ASTM D-1621	
- Parallel to rise		29 lb/in ² +/-10%
- Perpendicular to rise		17.5 lb/in ² +/-10%
TENSILE STRENGTH	ASTM D-1623	
- Parallel to rise		35 lb/in ² +/-10%
- Perpendicular to rise		26 lb/in ² +/-10%
SHEAR STRENGTH	ASTM C-273	
- Perpendicular to rise		18 lb/in ² +/-10%
THERMAL AND HUMID AGING	ASTM D-2126-87	
	-110°F for 7 days	1" dim. 0.40 4" dim. 0.10
	-156°F for 7 days and 100% RH	1" dim. 1.20 4" dim. 1.00
	+267°F for 7 days	1" dim. 2.60 4" dim. 1.00
CLOSED CELL CONTENT	ASTM D-2856	minimum 92%
WATER ABSORPTION	ASTM C-209 ASTM D-2842	0.5% by volume 0.10 lb/ft ²
Flame Spread and Smoke Emission		
Exceeds the requirements of ASTM E84 25/50 flame and smoke testing from 1 inch up to 3 inch thickness unfaced and faced		
Insulphen meets the requirements of the revised ASTM C1126 type 11 and 111 Grade 1 specification for faced or unfaced rigid cellular phenolic thermal insulation for publication in 2009		
Other information		
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