

## **CFC and HCFC free RIGID PHENOLIC INSULATION**

PROPERTIES	STANDARD	UNITS
COLOR		Green
NOMINAL DENSITY	ASTM D-1622	2.5 lb/ft³
THERMAL CONDUCTIVITY	ASTM C-518	0.15 Btu·in./hr·ft²·°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/in² +/-10%
- Perpendicular to rise		17.5 lb/in² +/-10%
TENSILE STRENGTH	ASTM D-1623	
- Parallel to rise		35 lb/in² +/-10%
- Perpendicular to rise		26 lb/in² +/-10%
SHEAR STRENGTH	ASTM C-273	
- Perpendicular to rise		18 lb/in² +/-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	0.5% by volume
	ASTM D-2842	0.10 lb/ft <sup>2</sup>
WATER ADSORPTION	ASTM D-2842	0.10 lb/ft²

## 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 ASTMC1126 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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