



CFC and HCFC free RIGID PHENOLIC INSULATION

TEST / PROPERTIES	PARAMETER	ASSESSMENTS
Color		Green
Temperature Limits		-290°F to 250°F
Specific Heat		.45 Btu/lb °F
ASTM C-795 Contact with Austenitic Stainless Steel		Pass
ASTM C-518-10 Thermal Conductivity	Thermal Transmission Properties	0.180
ASTM C-209 Water Absorption	Water Sorption	0.61% by volume
ASTM D-2842 Water Absorption	Absorption as a Volume Percent	1.7%
ASTM D-1621 Compressive Strength psi	Compressive Stress at 10% Deflection	24.1 psi
ASTM D-1622 Nominal Density	Apparent Density	2.5 lb/ft ³
ASTM D-2126 Thermal and Humid Aging @ -40°F	Absolute Dimensional Change	Weight - 0.041g Length - 0.010in Width - 0.011in Thickness - 0.003in
ASTM D-2126 Thermal and Humid Aging @ 156°F and 95% RH	Absolute Dimensional Change	Weight - 4.049g Length - 0.087in Width - 0.089in Thickness - 0.003in
ASTM D-2126 Thermal and Humid Aging @267°F	Absolute Dimensional Change	Weight - 1.581g Length - 0.026in Width - 0.017in Thickness - 0.028in
ASTM D-6226 Closed Cell Content	Open Cell Content	Minimum 92%

Flame Spread and Smoke Emission

Exceeds the requirement of ASTM E84 25/50 flame and smoke testing from 1 inch up to 3 inch thickness unfaced and faced. Insul-Phen meets the requirements of the revised ASTM C-1126 type 11 and 111 Grade 1 specification for faced or unfaced rigid cellular phenolic thermal insulation for publication in 2017.

Other information:

Unless otherwise noted, the data reflects typical values from random production samples. These observations are to be used as guidelines and should not be interpreted as specifications. The information is furnished without warranty, expressed, or implied, except that it is accurate to the best knowledge of Resolco Inc. The data on this sheet related only to the specific material designated herein. Resolco Inc assumes no legal responsibility for use or reliance upon this data. For information regarding specific applications, please contact Resolco Inc.

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