



## RIGID PHENOLIC INSULATION

PROPERTIES	STANDARD	UNITS
COLOR		Gray
NOMINAL DENSITY	ASTM D-1622	2.5 lb/ft <sup>3</sup>
THERMAL CONDUCTIVITY	ASTM C-518	0.13 Btu·in./hr·ft <sup>2</sup> ·°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 <sup>2</sup>
- Perpendicular to rise		17.5 lb/in <sup>2</sup>
TENSILE STRENGTH	ASTM D-1623	
- Parallel to rise		35 lb/in <sup>2</sup>
- Perpendicular to rise		26 lb/in <sup>2</sup>
SHEAR STRENGTH	ASTM C-273	
- Perpendicular to rise		18 lb/in <sup>2</sup>
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 VAPOR PERMEABILITY	ASTM E-96	0.117 perm inch
WATER ABSORPTION	ASTM C-209	0.5% by volume
	ASTM D-2842	0.10 lb/ft <sup>2</sup>
<b>SURFACE BURNING CHARACTERISTICS</b>		
<b>ASTM E-84 25/50 Flame/Smoke Test Results</b>		
	<b>Flame Spread Index</b>	<b>Smoke Developed Index</b>
1 Inch thick - insulation only	10	20
3 Inch thick - insulation only	10	15
1 Inch thick - insulation faced with ASJ	0	10
3 Inch thick - insulation faced with ASJ	0	10
Insul-phen meets the requirements of ASTM C1126 Type 11 and 111 grade 1 standard specification for faced or unfaced rigid cellular phenolic thermal insulation		
<b>Other information</b>		
This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Resolco International BV. The data on this sheet relates only to the specific material designated herein. Resolco International BV assumes no legal responsibility for use or reliance upon this data. For information regarding specific applications of the product please contact Resolco International BV.		



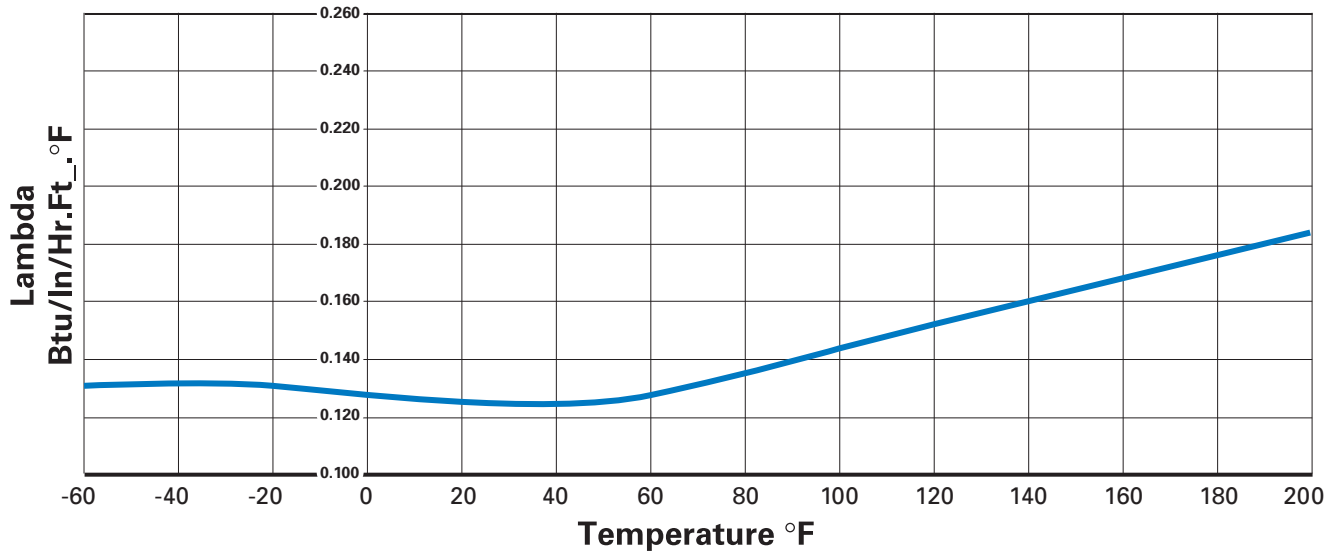
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## Thermal Conductivity Curve INSUL-PHEN 40

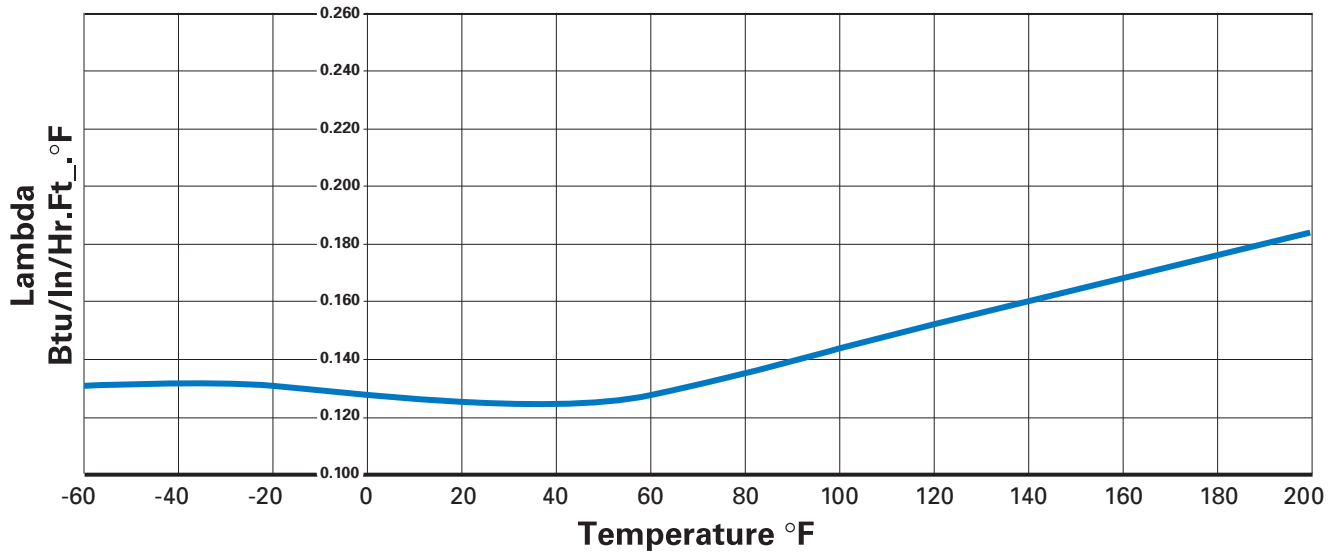


## FGH FABRICATORS, INC.

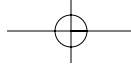
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## Thermal Conductivity Curve INSUL-PHEN 40



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# Thermal Conductivity Curve

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