



Heavy Density HCFC Free Rigid Phenolic Insulation

DENSITY*	ASTM D 1622	lb/ft ³	3.75	5.0	7.5	10
COLOR			cream	pink	white	white
K FACTOR*	ASTM C 518	Btu-in./ft ² ·°F	0.16	0.21	0.23	0.26
TEMPERATURE LIMIT		°F	-290 °F to + 250 °F	-290 °F to + 250 °F	-290 °F to + 250 °F	-290 °F to + 250 °F
COMPRESSIVE STRENGTH	ASTM D 1621	psi				
- Parallel to rise*			58	90	150	290
- Perpendicular to rise*			43	70	110	210
TENSILE STRENGTH	ASTM D 1623	psi				
- Parallel to rise*			54	85	130	160
- Perpendicular to rise*			41	65	100	130
CLOSED CELL CONTENT	ASTM D 2856	%	>92	>92	>92	>92
WATER ABSORPTION	ASTM C 209	% by volume	.5%	.5%	.5%	.5%
FIRE TEST CLASSIFICATIONS	ASTM E 84 25/50 flame and smoke - up to 3 inches thick Meets the requirements of ULC Canada S102 & S127 tests					
*all properties can vary by +/- 5%						
OTHER DENSITIES ARE AVAILABLE ON REQUEST PLEASE CONTACT OUR TECHNICAL DEPARTMENT						
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.						
Other information						
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