

# INSUL-BARRIER

## TYPICAL PROPERTIES

Properties	Unit	Test Method	GNI Insul-Barrier
Thermal Resistance after 2 d @ 23°C after 90 d @ 23°C, 50% RH	m <sup>2</sup> ·C/W m <sup>2</sup> ·C/W	ASTM C518	1.46 1.14
Dimensional Stability Volume Change at: -20°C 100°C 70°C, 100% RH	% % %	ASTM D2126	-0.047 8.45 7.64
Water Vapour Permeance	ng/Pa·s·m <sup>2</sup>	ASTM C355	125
Apparent Core Density	kg/m <sup>3</sup>	ASTM D1622	30.4
Compressive Strength	kPa	ASTM D1621	222
Tensile Strength	kPa	ASTM D1623	337
Water Absorption by Volume	%	ASTM D2842	2.5
Open Cell Content, Volume	%	ASTM D2856	<1
Flame Spread Classification		ASTM E84	25-500
Volatile Organic Emissions		ASTM D5116	Pass

GNI Insul-Barrier in its finished form is an organic polymer, and as such, will burn when exposed to flame or high heat sources, or it may exhibit rapid surface flash burning characteristics under certain conditions. In actual field applications a significant fire hazard can exist where foam is not adequately protected against fire sources.

This product meets CAN/CGSB – 51.23-92.

The values presented above were measured on a test panel with an overall density of not less than 30.4 kg/m<sup>3</sup>. These test results are presented as typical laboratory values for design guide and not as specification limits. Properties were determined at the density indicated and are dependant upon actual in-place density which can be affected by fixture temperature, calibration of equipment, part design, packing, etc.

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