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CAN/ULC-S701: Standard for Thermal Insulation, Polystyrene, Boards & Pipe Covering

Property	ASTM TEST	UNITS	TYPE 3
Thermal Resistance Values® Minimum @ 24°C (75°F)	C518	m ² • °C/ (W • 25mm) RSI Value	0.75
		ft ² • hr • °F/(BTU • in) R-Value	4.3
Water Vapor Permeance Maximum	E96	ng/(Pa • s • m ²)	130
		perms	2.25
Dimensional Stability Maximum	D2126 7 Days @ 70± 2°C	% linear change	1.5
Flexural Strength Minimum	C203 Procedure B	kPa	345
		Psi	50
Water Absorption Maximum	D2842	% by volume	2.0
Compressive Strength Minimum @ 10% Deformation	D1621 Procedure A	kPa	210
		Psi	30
Limiting Oxygen Index Minimum	D2863	%	24

NOTE: Values quoted are maximum values for (25.4mm) thick samples with natural skins intact. Lower values will result for thicker materials. Where water vapor permeance is a design issue, consult manufacturer.

Applications: Wall, Ceiling, Perimeter, Below Grade, Floor Insulation, Roofing,
 EIFS, Structural Insulated Panels (SIP), Precast Floor & Wall Panels