

KOROLITE ENGINEERED PANEL STRUCTURES LTD

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TECHNICAL INFORMATION FOR EPS

Typical Physical Properties of Korolite EPS
National Standard of Canada CAN/ULC S701-97

Table 1

Test	Physical Property	Units Imperial	Units S1(metric)	Type1	Type 2
ASTM C177	Thermal Resistance R-value at 75F (24°C)	$\frac{\text{hr.ft.}^2 \cdot ^\circ\text{F}}{\text{Btu 1 in}}$	$\frac{\text{m}^2 \cdot ^\circ\text{C}}{25\text{mm}}$	3.75 min (0.65 min)	4.04 min (0.70 min)
ASTM D 1621	Compressive Strength min at 10% deformation	psi	(k.Pa)	10 min (70 min)	16 min (110 min)
ASTM C203	Flexural Strength (minimum)	psi	(k.Pa)	25 min (170 min)	35 min (240 min)
ASTM E96	Water Vapour permeability (max.)	perm-in	$\frac{\text{ng}}{\text{Pa.s.m}^2}$	5.25 max (300 max)	3.50 max (200 max)
ASTM D2842	Water Absorption % volume	% by volume	% by volume	6.0 max	4.0 max
ASTM D2126	Dimensional Stability	% linear change	% linear change	1.5%(max)	1.5% (max)

Mansonville Plastics provides products to customer specifications whereas the products may be made out of pure virgin material, or products may contain small to large amounts of recycled eps depending on the use.

All our products are 100% free of ozone depleting CFC's & HCFC's, as weel, expanded polystyrene is a completely inert, non-toxic material.

For further information please contact our office at (604) 534-8626. Our toll free number for Canada and the USA is 1-800-663-8162 or visit our web site at www.mansonvilleplastics.com

ICBO certified (ICCES - ER5999)
Warnock Hersey Certified