

# Mansonville Plastics (BC) Ltd

19402 - 56 Ave., Surrey, B.C. Canada V3S 6K4



National Standard of Canada  
Can/ULC S701-97

## Typical Physical Properties of Korolite™ Insulation

Physical Properties	Units Imperial	Units SI(metric)	Test Procedure	Korolite Type 1	Korolite Type 2
Thermal Resistance (R-value) at 75F (24°C)	$\frac{\text{hr.ft.}^2}{\text{Btu}} \cdot ^\circ\text{F}$ Btu 1 in.	$\frac{\text{m}^2}{25 \text{ mm}} \cdot ^\circ\text{C}$ 25 mm	ASTM C518	3.75 min. (0.65 min.)	4.04 min. (0.70 min.)
Compressive Strength minimum at 10% deformation	psi	(k.Pa)	ASTM D1621	10 min. (70 min.)	16 min. (110 min.)
Flexural Strength (minium)	psi	(k.Pa)	ASTM C203	25 min. (170 min.)	35 min. (240 min.)
Water Vapour permeability (max.)	perm-in	$\frac{\text{ng}}{\text{Pa.s.m}^2}$	ASTM E96	5.25 max. (300 max.)	3.50 max. (200 max.)
Water Absorption % by volume	% by volume	% by volume	ASTM D2842	6.0 max.	4.0 max
Dimensional Stability % linear change (maximum)	% linear change	% linear change	ASTM D2126	1.5% (max)	1.5% (max)
Limited Oxygen Index	%	%	ASTM D2863	24	24

***In keeping with our environmental commitment, Mansonville Plastics (BC) Ltd has a full recycling program for all Expanded Polystyrene products.***

***An additional benefit of using our products is that they are 100% free of ozone depleting CFC's and HCFC's. As well, Expanded Polystyrene is a completely inert, non-toxic material.***

***Help us to help you keep the environment free from unnecessary debris - RECYCLE.***

***For further information please call Mansonville Plastics (BC) Ltd at (604) 534-8626. Our toll free number for Canada and the USA is 1 800 663-6162 or visit our website at [www.mansonvilleplastics.com](http://www.mansonvilleplastics.com)***