



HW MANUFACTURING

49078

Road #4 West

Starbuck, Manitoba

R0G 2P0



Specifications / Product Information Sheet

The material properties for Comfort R insulation meeting the **Canadian Standard CAN/ULC-S701-11** for thermal insulation, polystyrene, boards and pipe covering

Property	Test Method	Units	Type I	Type II	Type III
			CCMC 13393 - L	CCMC 13457 - L	CCMC 14062-L
Density	ASTM D 1622-08	kg/m ³	16	24	28.55
		lbs/ft ³	1.0	1.50	1.78
Thermal Resistance, m ² . °C/W (for 25mm thickness)	ASTM C518	m ² •°C/(W•25mm)	0.65	0.7	0.75
		ft ² •hr•°F/(BTU•in)	3.86	4.05	4.27
Compressive Strength @ 10% Deformation	ASTM D1621 Procedure A	kPa	70	135.9	184
		psi	10	19.7	26
Dimensional Stability	ASTM D2126 7 days @ 70± 2°C	% linear change	1.5	1.5	1.5
Flexural Strength	ASTM C203 Procedure B	kPa	170	257	375
		psi	25	37.3	54
Water Absorption	ASTM D2842	% by volume	6	4	2
Water Vapour Permeance	ASTM E96	ng/(Pa•s•m ²)	300	200	130
		perms			
Limiting Oxygen Index	ASTM D2863	%	24	24	24

HW Manufacturing insulating properties are third party certified under a certification program by Intertek Testing Services and listed by the Canadian Constructon Materials Centre (CCMC) under evaluation listing number shown above below Type I, II, III.

