

# POLARFOAM PF-7300

## TYPICAL PHYSICAL PROPERTIES RESULTS OBTAINED FROM INDEPENDENT TESTING LABORATORIES

PHYSICAL PROPERTIES	TEST	RESULTS	
		IMPERIAL	METRIC
1 Air barrier	ASTM E 283 75Pa ASTM E 330 CCMC 12893-R 75 Pa	0.000 ft <sup>3</sup> /min/pi <sup>2</sup>	0.000 L/s/m <sup>2</sup>
		no delamination	0.000 14 L/s/m <sup>2</sup>
2 Density	ASTM D1622	2.2 lb/ft <sup>3</sup>	35 kg/m <sup>3</sup>
3 Compressive strength	ASTM D1621	25.22 psi	174 kPa
4 Tensile strength	ASTM D1623	30.72 psi	212 kPa
5 Thermal resistance 1" thick 90 days / 23°C Aged Design value	ASTM C 518 CCMC 12380-R recommendation	6.93 ft <sup>2</sup> .h°F/Btu.in	1.22 m <sup>2</sup> .°C/W
		6.0 ft <sup>2</sup> .h°F/Btu.in.	1.05 m <sup>2</sup> .°C/W
6 Water vapor permeance	ASTM E 96 (without surface)	1.5 perm inch	86.6 ng/Pa.sm <sup>2</sup>
7 Water vapor transmission	ASTM E 96 (dry cup system tested) CNRC A-3136.1	vapor barrier (see Typical detail brochure)	
8 Water absorption	ASTM D2842 (96 hrs)	0.62%	
9 Dimensional stability -20°C 70°C, H.R.>97+3% 100°C	ASTM D2126	(% of change in volume at 28 days)	
		+0.47%	
		+2.58%	
		+5.89%	
10 Open cells	ASTM D2856	6.02%	
11 Flame spread	CANULC-S102-M88	< 500	
12 Smoke development	ULC-S127-M82	< 500	
13 Off-gassing	CANULC-S705.1 Appendix A	pass	
14 Self-extinguishing	MVSS 302	B (self-extinguishing)	