High Performance Insulation
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NOFP Product Properties (EPS Core Material Only)

Property	UNITS	ASTM Test		
ASTM Designation			Barrier™ BarrierXT® BarrierX5®	BarrierHL™ XBoard™
ASTM Density Range Common Designation	pcf	C 303 or D 1622	0.90-1.10	1.80-2.20
	pcf	C 303 or D 1622	1.00	2.00
Design Thermal Resistance Values per 1.0 inch	at 25°	C 177 or C 518	4.35	5.00
	at 40°	C 177 or C 518	4.17	4.76
	at 75°	C 177 or C 518	3.85	4.35
Thermal Resistance Values min per 1.0 inch thickness	at 25°	C 177 or C 518	4.20	4.80
	at 40°	C 177 or C 518	4.00	4.60
	at 75°	C 177 or C 518	3.60	4.20
Strength Properties				
Compressive Resistance				
10% Deformation	psi	D 1621	10.0	25.0
Flexural Strength	psi	C 203	25.0	50.0
Tensile	psi	C 1623	16.0	23.0
Moisture Resistance				
Water Vapor Permeance	perm/in	E 96	5.0	2.0
Water Absorption	volume	C 272	4.0	2.0
Dimensional Stability				
Change in dimensions	max %	D 696	2.0	2.0
Maximum Service Temp				
Long Term			167° F for all densities	
Intermittent			180° F for all densities	
Flame Spread				
Up to 6" thickness		E 84*	Less than 25 for all densities	
Smoke Development				
Up to 6" thickness		E 84*	Less than 450 for all densities	
Oxygen Index	volume %	D 2863	24 for all densities	

Evaluation: Material conforms to NBC 1995, Article 9.25.2.2 and to CAN / ULC S701-01, Type 1.