

PROPERTY	TEST METHOD	SI VALUE	U.S. VALUE					
MECHANICAL								
Density	ASTM D 3574, Test A	6.4 kg/m ³	0.4 lb/ft ³					
Tensile Strength	ASTM D 3574, Test E	48 kPa	7 lb/in ²					
THERMAL								
Thermal Conductivity (k)	ASTM C 518 at mean temperature of 24°C (75°F)	0.046 W/(m·K)	0.32 (BTU·in)/(hr·ft ² ·°F)					
Continuous Use Temperature	Recommended maximum	300°C	575°F					
FLAMMABILITY								
Radiant Panel Flame Spread Index	ASTM E 162	1	1					
Specific Optical Density of Smoke, D _m :	ASTM E 662							
Non-flaming		1	1					
Flaming		3	3					
Surface Burning Characteristics:	ASTM E 84-95							
Flame Spread Index (FSI)	Tested at a thickness of	0	0					
Smoke Developed Index (SDI)	22 mm (0.9 in)	10	10					
AGING								
Steam Autoclave Aging:	ASTM D 3574, Test J, Procedure J ₁ and Test E							
Tensile strength retained		> 85%	> 85%					
Change in weight and dimensions		< 3%	< 3%					
ACOUSTICAL								
ACOUSTICAL ABSORPTION COEFFICIENTS (sabins/ft ² or metric sabins/m ²) ASTM C 423 and E 795, Type A Mounting								
Thickness		125	250	Frequency (Hz)		2000	4000	NRC
				500	1000			
25 mm	(1 inch)	0.08	0.22	0.58	0.93	0.94	0.81	0.65
50 mm	(2 inches)	0.34	0.52	0.86	1.06	0.85	0.94	0.80