

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⋅ft².∘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 : Non-flaming Flaming	ASTM E 662	1 3	1 3	
Surface Burning Characteristics: Flame Spread Index (FSI) Smoke Developed Index (SDI)	ASTM E 84-95 Tested at a thickness of 22 mm (0.9 in)	0 10	0 10	
AGING				
Steam Autoclave Aging: Tensile strength retained Change in weight and dimensions	ASTM D 3574, Test J, Procedure J_1 and Test E	> 85% < 3%	> 85% < 3%	
ACOUSTICAL				

ACOUSTICAL ABSORPTION COEFFICIENTS (sabins/ft² or metric sabins/m²) ASTM C 423 and E 795, Type A Mounting

		Frequency (Hz)								
Thic	kness	125	250	500	1000	2000	4000	NRC		
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		

*The above are typical values subject to normal manufacturing variation.

Tel: +1 (972) 516-0702

Fax: +1 (972) 516-0624

HT-Gen-0701

e-mail: inspecfoams@airmail.net

www.inspecfoams.com

Inspec Foams 101 East Park Blvd. Suite 201 Plano, Texas 75074 USA

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