

Technical Brief

Korogard® Protective Wallcovering Test Results

Physical Properties	Test Method	Values
Specific Gravity	ASTM D-782	1.35
Mechanical Properties		
Tensile Strength at Yield (psi)	ASTM D-638	6,100
Elongation at Break (5)		160
Maximum Flexural Stress (psi)	ASTM D-790	9,300
Modulus of Elasticity (psi)		335,000
Hardness		
Rockwell R	ASTM D-785	94
Durometer Shore D	ASTM D-2240	77
Taber Abrasion Resistance (wt. loss %)	ASTM D-1044 CS-10 wheel 1000g/wheel- 1000 cycles	0.038%
Impact Strength (ft.-lbs./in. of notch)	ASTM D-256 Izod Notched 73°F (23°C)	18
Impact Resistance (in.-lbs./mil)	ASTM D-5420 Gardner Drop Dart	6.5
Thermal Properties		
Heat Deflection Temperature Temperature @ 264 psi (annealed)	ASTM D-648	173°F (78°C)
Coefficient of Linear Thermal Expansion (in./in.-°F10 ₋₅)	100°F (38°C)	4.5
	60°F (16°C)	4.2
Flammability Properties		
Fire Ratings	ASTM E-84 Tunnel Test*	
Flame Spread		
.060" (1.52mm) or less		20
.093" (2.36mm) or less		35
Smoke Developed		
.060" (1.52mm) or less		350
.093" (2.36mm) or less		350-450

* Underwriter's Laboratories Inc.® file #R6738. Product applied to a nonflammable substrate using 3M Fastbond™ 30-NF contact adhesive at an application rate of 130 square feet per gallon.



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