

Rigid PVC Powder Compounds

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Description

A weatherable, high rate, midrange gloss, PVC powder, extrusion compound for exterior applications.

Applications

Properties	ASTM Method	Nominal Value ¹	
		Units (English)	Units (SI)
Properties*			
Specific Gravity ± 0.02	ASTM D-792	1.46	
Hardness, Shore D, ± 3	ASTM D-2240	78	
Mechanical			
Tensile Strength at Yield, psi	ASTM D-638	6400	
Tensile Modulus, psi	ASTM D-638	380,000	
Flexural Strength, psi	ASTM D-790	11,600	
Flexural Modulus, psi	ASTM D-790	385,000	
Notched Izod, ft-lb./inch	ASTM D-256	4.5	
Dart Drop, Min. Failure, ¹ In.-lb./mil	ASTM D-4226		
Procedure A		1.5	
Procedure B		6.0	
Thermal			
Heat Deflection Temperature @ 264 psi, °F	ASTM D-648	163	
Coefficient of Linear Expansion	ASTM D-696	3.6 x 10 ⁻⁵ in./in/°F	
Flammability			
Rate of Burning	ASTM D-635		

*All tests conducted at 72°F unless otherwise stated

¹Extruded at 380 to 390° F melt temperature

Note: Compound has shown to have good weathering performance under accelerated conditions and outdoor weathering.

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