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AP1269 Series PVC POWDER COMPOUNDS

A high rate, midrange gloss, PVC powder, extrusion compound for exterior / interior applications. See note.

Typical test results for ASTM D-4216. This is a rigid PVC formulation per the requirements of AAMA 303 and CSA A440. This material meets/exceeds cell class 1-20131-13 as required in ASTM D-4726.

Properties*	Test Method	Typical Properties
Specific Gravity ± 0.02	ASTM D-792	1.46
Hardness, Shore D, ± 3 Instantaneous	ASTM D-2240	79
Impact	ASTM D-256	
Notched Izod, ft.-lb./inch		16.9
Dart Drop, Min. Failure,[1] in.-lb./mil Procedure A	ASTM D-4226	>2.7
Procedure B		>2.7
Tensile Properties	ASTM D-D638	
Tensile Yield Strength		6604
Tensile Modulus, psi		336,000
Flexural Properties	ASTM D-790	
Flexural Strength, psi		11,500
Flexural Modulus, psi		384,000
Thermal Properties		
Heat Deflection Temp. @264 psi, °F	ASTM D-648	158
Coefficient of Linear Expansion	ASTM D-696	3.6×10^{-5} in./in/°F
Flammability		
Rate of Burning	ASTM D-635	
ATB		<5
AEB		<5

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*All tests conducted at 72°F unless otherwise stated
[1]Extruded at 370 to 380° F melt temperature
**Actual cell class is 1-43341-12

Note: Compound has shown to have good weathering performance under accelerated conditions and outdoor weathering. Actual weathering performance is dependent on several factors. Titanium Dioxide type and amount, pigment type and amount, manufacturing techniques and geographic locations all are relevant factors in the performance of this compound when subjected to the elements.

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