

Aurora PVC AP2144 Series 050902

Polyvinyl Chloride
Aurora Plastics, Inc.

Message:
A high rate, high impact PVC powder, extrusion compound, for interior applications.

General Information			
Features	High Impact Resistance		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42 to 1.46	g/cm ³	ASTM D792
PVC Cell Classification	1-31032-23-0000		ASTM D4216
PVC Cell Classification	14354		ASTM D1784
PVC Cell Classification	Class 2		ASTM D3679
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 22°C)	77 to 83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (22°C)	2550	MPa	ASTM D638
Tensile Strength (Yield, 22°C)	42.1	MPa	ASTM D638
Flexural Modulus (22°C)	2410	MPa	ASTM D790
Flexural Strength (22°C)	79.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (22°C)	280	J/m	ASTM D256
Drop Impact Resistance			ASTM D4226
22°C, Extruded at 380 to 390° F melt temperature ¹	66.7	J/cm	
22°C, Extruded at 380 to 390° F melt temperature ²	178	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.1	°C	ASTM D648
CLTE - Flow (22°C)	6.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	HB		ASTM D635
NOTE			
1.	Procedure A		
2.	Procedure B		

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