

Aurora PVC AP2144 Series 032405

Polyvinyl Chloride
Aurora Plastics, Inc.

Message:
A midrange gloss, PVC powder, extrusion compound for interior applications.

General Information			
Features	Medium Gloss		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45 to 1.49	g/cm ³	ASTM D792
PVC Cell Classification	1-32433-33		ASTM D4216
PVC Cell Classification	class No. 2		ASTM D3679
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness ¹ (Shore D, 22°C)	76 to 81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (22°C)	2620	MPa	ASTM D638
Tensile Strength (Yield, 22°C)	42.1	MPa	ASTM D638
Flexural Modulus (22°C)	2650	MPa	ASTM D790
Flexural Strength (22°C)	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	80	J/m	
23°C	170	J/m	
Drop Impact Resistance			ASTM D4226
22°C, Extruded at 380 to 390° F melt temperature ²	66.7	J/cm	
22°C, Extruded at 380 to 390° F melt temperature ³	< 267	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.2	°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
Additional Information	Nominal Value		Test Method
Cell Classification			
--	class No. 2		ASTM D3679
--	1-32433-33		ASTM D4216
NOTE			

1.	Instantaneous
2.	Procedure A
3.	Procedure B

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