

Aurora PVC AP1213 Series

Polyvinyl Chloride
Aurora Plastics, Inc.

Message:
A high rate, high gloss, PVC powder, extrusion compound for exterior/interior applications.

General Information			
Features	High 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)	75 to 81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (22°C)	2620	MPa	ASTM D638
Tensile Strength (Yield, 22°C)	43.4	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 (22°C)	220	J/m	ASTM D256
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	222	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.8	°C	ASTM D648
CLTE - Flow (22°C)	6.7E-5	cm/cm/°C	ASTM D696
NOTE			
1.	Instantaneous		
2.	Procedure A		
3.	Procedure B		

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