

Aurora PVC AP2204 Series

Polyvinyl Chloride
Aurora Plastics, Inc.

Message:
A high impact PVC powder, extrusion grade, for substrate applications in co-extruded profiles.

General Information			
Features	High Impact Resistance		
Uses	Profiles		
Forms	Powder		
Processing Method	Coextrusion		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37 to 1.41	g/cm ³	ASTM D792
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	80.1	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)	6.3E-5	cm/cm/°C	ASTM D696
NOTE			
1.	Procedure A		
2.	Procedure B		

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