

Aurora PVC AP2143 Series

Polyvinyl Chloride
Aurora Plastics, Inc.

Message:
A high rate, 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	1.42 to 1.46	g/cm ³	ASTM D792
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)	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	267	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)	6.5E-5	cm/cm/°C	ASTM D696
NOTE			
1.	Instantaneous		
2.	Procedure A		
3.	Procedure B		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

