

Aurora PVC AP1271 Series

Polyvinyl Chloride
Aurora Plastics, Inc.

Message:

A high rate, high impact PVC powder, extrusion compound, for interior applications. Used for thick and thin wall parts.

General Information			
Features	High Impact Resistance		
Uses	Thick-walled Parts		
	Thin-walled Parts		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40 to 1.50	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 22°C)	76 to 82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (22°C)	2480	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	173	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
Flammability	Nominal Value		Test Method
Flame Rating	HB		ASTM D635
NOTE			
1.	Procedure A		
2.	Procedure B		

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