

Aurora PVC AP3042 Series

Rigid Polyvinyl Chloride

Aurora Plastics, Inc.

Message:

A rigid PVC powder compound for the extrusion of a medium density foam.

General Information			
Features	Foamable		
	High Rigidity		
	Medium Density		
Uses	Foam		
Forms	Powder		
Processing Method	Foam Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.748 to 0.848	g/cm ³	ASTM D792
Water Absorption (Saturation)	0.80	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (22°C)	1100	MPa	ASTM D638
Tensile Strength (Yield, 22°C)	17.9	MPa	ASTM D638
Flexural Modulus (22°C)	1280	MPa	ASTM D790
Flexural Strength (22°C)	37.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (22°C)	21	J/m	ASTM D256
Drop Impact Resistance ¹ (22°C, Extruded at 370 to 380° F melt temperature)	8.01	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.6	°C	ASTM D648
CLTE - Flow (22°C)	5.4E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	HB		ASTM D635
NOTE			

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Recommended distributors for this material

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