

AuroraTec™ AP2412

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A high impact PVC powder, sheet extrusion compound, for interior applications.

Note: Additional custom color matching is available upon request.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• High Impact Resistance		
Uses	• Agricultural Applications	• Fencing & Decking	• Sheet
	• Appliances	• Film	• Spas
	• Automotive Applications	• Medical/Healthcare Applications	• Windows & Doors
	• Consumer Applications	• Outdoor Applications	
	• Electrical/Electronic Applications	• Rail Applications	
Appearance	• Colors Available		
Forms	• Powder		
Processing Method	• Extrusion	• Sheet Extrusion	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	389000	psi	ASTM D638
Tensile Strength	5690	psi	ASTM D638
Flexural Modulus	360000	psi	ASTM D790
Flexural Strength	9540	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	21	ft·lb/in	ASTM D256
Dart Impact ²			ASTM D4226
Procedure A		1 in·lb/mil	
Procedure B		> 3 in·lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	156	°F	ASTM D648

Notes

¹ Typical properties: these are not to be construed as specifications.

² Min Failure

