

AuroraTec™ AP1254Y

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A weatherable rigid PVC powder extrusion compound designed to have broad processing characteristics and excellent physical properties.

Note: Additional custom color matching is available upon request.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.47		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	377000	psi	ASTM D638
Tensile Strength	6280	psi	ASTM D638
Flexural Modulus	404000	psi	ASTM D790
Flexural Strength	10800	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		> 4 in·lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75 to 81		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	160	°F	ASTM D648
CLTE - Flow	3.2E-5	in/in/°F	ASTM D696

Notes

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

² Min Failure

