

AuroraTec™ AP2503XNT1001

Aurora Material Solutions, LLC - Rigid Polyvinyl Chloride

General Information
Product Description

A high stiffness rigid PVC compound suitable for non-weatherable extrusion applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Rigidity	• High Stiffness	
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	
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.53		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	515000	psi	ASTM D638
Tensile Strength	5050	psi	ASTM D638
Flexural Modulus	534000	psi	ASTM D790
Flexural Strength	10100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.85	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	74		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	165	°F	ASTM D648
Additional Information	Nominal Value	Unit	Test Method
Cell Classification	12264		ASTM D1784

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