

AuroraTec™ RB5053UV2 Clear

Aurora Material Solutions, LLC - Rigid Polyvinyl Chloride

General Information
Product Description

A Rigid impact modified transparent PVC with UV stabilizer for profile extrusion and injection molded parts.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Impact Modifier	• UV Stabilizer	
Features	• Good Rigidity	• Impact Modified	• UV Stabilized
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	• Clear/Transparent		
Processing Method	• Injection Molding	• Profile Extrusion	

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.32		ASTM D792
Mechanical			
Tensile Modulus	385000	psi	ASTM D638
Tensile Strength	6090	psi	ASTM D638
Flexural Modulus	400000	psi	ASTM D790
Flexural Strength	11500	psi	ASTM D790
Impact			
Notched Izod Impact (73°F)	4.0	ft·lb/in	ASTM D256
Hardness			
Durometer Hardness (Shore D)	78		ASTM D2240
Thermal			
Deflection Temperature Under Load (264 psi, Annealed)	158	°F	ASTM D648

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