

AuroraTec™ RR 5053 UV

Aurora Material Solutions, LLC - Rigid Polyvinyl Chloride

General Information

Product Description

Rigid impact modified PVC, transparent with UV stabilizer

Applications: Profile extrusion and injection molded parts

Made in Canada

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Impact Modifier • UV Stabilizer		
Features	• Good Rigidity	• Impact Modified	• UV Stabilized
Uses	• Agricultural Applications • Appliances • Automotive Applications	• Consumer Applications • Electrical/Electronic Applications • Medical/Healthcare Applications	• Rail Applications • Sheet • Windows & Doors
Appearance	• Clear/Transparent		
Processing Method	• Injection Molding	• Profile Extrusion	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	396000	psi	ASTM D638
Tensile Strength	5950	psi	ASTM D638
Flexural Modulus	390000	psi	ASTM D790
Flexural Strength	11500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.126 in)	10	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	158	°F	ASTM D648

Notes

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

