

AuroraTec™ RB 5051UV CLEAR

Aurora Material Solutions, LLC - Rigid Polyvinyl Chloride

General Information

Product Description

Rigid PVC impact modified PVC, transparent

Applications: Interior profile extrusion & 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		
Features	• Good Rigidity	• Impact Modified	
Uses	• Agricultural Applications • Appliances	• Automotive Applications • Consumer Applications	• Electrical/Electronic Applications • Medical/Healthcare Applications
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	390000	psi	ASTM D638
Tensile Strength	6380	psi	ASTM D638
Flexural Modulus	380000	psi	ASTM D790
Flexural Strength	11000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.126 in)	14	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.

