

AuroraTec™ RM9010 Clear

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

Rigid injection moulding pvc compounds, with good impact resistance and tensile strength

Application : Injection and extrusion applications that require high-flow, impact strength and extrudability.

Made in Canada

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Impact Resistance • Good Rigidity	• Good Tensile Strength • High Flow	
Uses	• Agricultural Applications • Appliances • Automotive Applications	• Consumer Applications • Fencing & Decking • Film	• Medical/Healthcare Applications • Sheet • Windows & Doors
Appearance	• Natural Color		
Forms	• Pellets	• Powder	
Processing Method	• Extrusion	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		ASTM D792
Molding Shrinkage - Flow	2.5E-3 to 5.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	385000	psi	ASTM D638
Tensile Strength	6400	psi	ASTM D638
Flexural Modulus	410000	psi	ASTM D790
Flexural Strength	11000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.126 in)	9.0	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.

