

AuroraTec™ AP9012

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

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

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

Made in Canada

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Impact Resistance	• Good Tensile Strength	
	• Good Rigidity	• High Flow	
Uses	• Appliances	• Electrical/Electronic Applications	
	• Consumer Applications	• Outdoor Applications	
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.37		ASTM D792
Molding Shrinkage - Flow	2.0E-3 to 5.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	390000	psi	ASTM D638
Tensile Strength	6400	psi	ASTM D638
Flexural Modulus	410000	psi	ASTM D790
Flexural Strength	11500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.126 in)	16	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	160	°F	ASTM D648

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