

AuroraTec™ AP4020BGR2025

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A high flow rigid PVC pellet compound designed for injection molding with high impact and excellent weathering properties.

Note: Additional custom color matching is available upon request.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Excellent Weather Resistance • Good Rigidity	• High Flow • High Impact Resistance	
Uses	• Agricultural Applications • Appliances • Automotive Applications • Consumer Applications • Electrical/Electronic Applications	• Fencing & Decking • Film • Medical/Healthcare Applications • Outdoor Applications • Rail Applications	• Sheet • Spas • Windows & Doors
Appearance	• Grey		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.44		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	380000	psi	ASTM D638
Tensile Strength	6070	psi	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.5	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	154	°F	ASTM D648

Notes

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

