

AuroraTec™ AP5179ABK1010

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

Rigid PVC pellet extrusion compound designed for interior extruded custom profiles, including traditional and integrated (electrical) applications with broad process window, good melt strength, and excellent physical properties.

Note: Additional custom color matching is available upon request.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Dispersible • Good Melt Strength • Good Rigidity
Uses	• Electrical/Electronic Applications
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.49		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	415000	psi	ASTM D638
Tensile Strength	5950	psi	ASTM D638
Flexural Modulus	458000	psi	ASTM D790
Flexural Strength	10800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.6	ft·lb/in	ASTM D256
Dart Impact			ASTM D5420
Procedure A	1.30	ft·lb/in	
Procedure B	> 3.30	ft·lb/in	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	77		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	174	°F	ASTM D648
CLTE - Flow	3.6E-5	in/in/°F	ASTM D696

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