

AuroraTec™ AP5140AWH2023

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A high rate, Rigid PVC pellet, extrusion compound for interior applications.
Typical test results for ASTM D-4246.

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	• Good Rigidity • High Flow
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
Agency Ratings	• ASTM D4726
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.51		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	523000	psi	ASTM D638
Tensile Strength	5900	psi	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.5	ft·lb/in	ASTM D256
Dart Impact ²			ASTM D4226
Procedure A	1	in·lb/mil	
Procedure B	> 3	in·lb/mil	
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)	158	°F	ASTM D648

Notes

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

² Min Failure

