

AuroraTec™ AP1250CH

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A high rate, high gloss, PVC powder extrusion compound for weatherable applications. Typical test results for ASTM D-4216. This is a Rigid PVC formulation per the requirements of AAMA 303.

This material meets/exceeds cell class 1-20131-13 as required in ASTM D-4726 with a determined cell class of 1-41433-33.

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	• Good Rigidity • High Flow • High Gloss
Uses	• Outdoor Applications
Agency Ratings	• AAMA 303 • ASTM D4726
Appearance	• Colors Available
Forms	• Powder
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.46		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3880	psi	ASTM D638
Tensile Strength	6120	psi	ASTM D638
Flexural Modulus	426000	psi	ASTM D790
Flexural Strength	10600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	23	ft·lb/in	ASTM D256
Dart Impact ²			ASTM D4226
Procedure A	1	in·lb/mil	
Procedure B	> 4	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)	162	°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.

² Min Failure

