

AuroraTec™ AP1426

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A midrange gloss, PVC powder, extrusion compound for exterior applications. This is a rigid PVC formulation per the requirements of AAMA 303-08. This material meets/exceeds cell class 1-41433-33 as required in ASTM D-4726.

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	• Medium Gloss	
Uses	• Capstock	• Outdoor Applications	
Agency Ratings	• AAMA 303 08	• ASTM D4726	
Forms	• Powder		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.47		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	406000	psi	ASTM D638
Tensile Strength	6280	psi	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	8.7	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)	81		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	162	°F	ASTM D648
CLTE - Flow	3.4E-5	in/in/°F	ASTM D696

Notes

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

² Min Failure

