

AuroraTec™ AP1227

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A midrange gloss, PVC powder, extrusion compound for exterior applications. Also used as a capstock.

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	• Medium Gloss		
Uses	• Capstock	• Outdoor Applications	
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	380000	psi	ASTM D638
Tensile Strength	6100	psi	ASTM D638
Flexural Modulus	385000	psi	ASTM D790
Flexural Strength	11600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
32°F	1.5	ft·lb/in	
73°F	3.2	ft·lb/in	
Dart Impact ²			ASTM D4226
Procedure A	2	in·lb/mil	
Procedure B	6	in·lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	79		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
