

AuroraTec™ AP2257 Series

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A high rate, high impact PVC powder, extrusion compound, for interior applications as well as substrates.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• High Flow	• High Impact Resistance	
Uses	• Agricultural Applications	• Fencing & Decking	• Sheet
	• Appliances	• Film	• Spas
	• Automotive Applications	• Medical/Healthcare Applications	• Windows & Doors
	• Consumer Applications	• Outdoor Applications	
	• Electrical/Electronic Applications	• Rail Applications	
Forms	• Powder		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.44 to 1.48		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (72°F)	360000	psi	ASTM D638
Tensile Strength (Yield, 72°F)	6100	psi	ASTM D638
Flexural Modulus (72°F)	430000	psi	ASTM D790
Flexural Strength (72°F)	11500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
32°F		1.9 ft·lb/in	
73°F		5.1 ft·lb/in	
Drop Impact Resistance			ASTM D4226
72°F, Extruded at 380 to 390° F melt temperature ²		1.50 in·lb/mil	
72°F, Extruded at 380 to 390° F melt temperature ³		4.00 in·lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 72°F)	77 to 83		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	161	°F	ASTM D648
CLTE - Flow (72°F)	3.6E-5	in/in/°F	ASTM D696

Notes

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

² Procedure A

³ Procedure B

