

AuroraTec™ AP1271H

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A general-purpose rigid PVC powder extrusion compound designed for applications requiring good melt strength, excellent color dispersion and excellent physical properties. AP1271H has the V-0 and 5VA UL94 listing.

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	• Dispersible	• Good Melt Strength	
	• General Purpose	• Good Rigidity	
Uses	• General Purpose		
Appearance	• Colors Available		
Forms	• Powder		
Processing Method	• Extrusion		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.45		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	400000	psi	ASTM D638
Tensile Strength	6400	psi	ASTM D638
Flexural Modulus	420000	psi	ASTM D790
Flexural Strength	11000	psi	ASTM D790
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		> 4 in·lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	77		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	165	°F	ASTM D648
CLTE - Flow	3.6E-5	in/in/°F	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating	• V-0		UL 94
	• 5VA		

Notes

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

² Min Failure

