

AuroraTec™ AP1270

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.

Typical test results for ASTM D-4216. This is a rigid PVC formulation per the requirements of AAMA 303-08. This material meets/exceeds cell class 1-20131-13 as required in ASTM D-4726.

Note: Additional custom color matching is available upon request.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Features	• Dispersible • General Purpose • Good Melt Strength • Good Rigidity
Uses	• General Purpose
Agency Ratings	• AAMA 303 08 • ASTM D4726
Appearance	• Colors Available
Forms	• Powder
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.45		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	360000	psi	ASTM D638
Tensile Strength	6090	psi	ASTM D638
Flexural Modulus	350000	psi	ASTM D790
Flexural Strength	11400	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	5.3	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	3.5E-5	in/in/°F	ASTM D696

Notes

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

² Min Failure

