

AuroraTec™ AP4019A

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A general-purpose rigid PVC pellet, extrusion compound designed for interior applications requiring good melt strength, excellent color dispersion, and excellent physical properties.

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	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity ²	1.43		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	434000	psi	ASTM D638
Tensile Strength	6660	psi	ASTM D638
Flexural Modulus	446000	psi	ASTM D790
Flexural Strength	10500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	3.2	ft·lb/in	ASTM D256
Dart Impact ³			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 (66 psi, Annealed)	162	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Annealed)	156	°F	ASTM D648
CLTE - Flow	3.8E-5	in/in/°F	ASTM D696

Notes

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

² natural

³ Min Failure

