

AuroraTec™ AP5121C

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A high rate, Rigid PVC pellet, extrusion compound for interior applications. The AP5121CNT1000 contains a UV stabilizer for improved interior light fastness. AP5121CNT1000 is also NSF 51 certified and has a UL-94 V-0 rating.

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
Additive	• UV Stabilizer		
Features	• Good Rigidity	• High Flow	• UV Stabilized
Uses	• Agricultural Applications • Appliances • Automotive Applications • Consumer Applications • Electrical/Electronic Applications	• Fencing & Decking • Film • Medical/Healthcare Applications • Outdoor Applications • Rail Applications	• Sheet • Spas • Windows & Doors
Agency Ratings	• NSF STD-51		
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.46		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	351000	psi	ASTM D638
Tensile Strength	5900	psi	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	17	ft-lb/in	ASTM D256
Dart Impact ²			ASTM D4226
Procedure A	1	in-lb/mil	
Procedure B	> 2	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)	158	°F	ASTM D648
CLTE - Flow	2.8E-5	in/in/°F	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

Notes

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

² Min Failure

