

AuroraGuard™ AP5199C White1494

Aurora Material Solutions, LLC - Chlorinated Polyvinyl Chloride

General Information

Product Description

A rigid CPVC pellet extrusion compound designed for siding and profile as a substrate. AP5199C provides superior chemical resistance and high temperature performance.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Rigidity		
Uses	• Profiles	• Siding Applications	
Forms	• Pellets		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.54		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	326000	psi	ASTM D638
Tensile Strength	6530	psi	ASTM D638
Flexural Modulus	335000	psi	ASTM D790
Flexural Strength	12000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	5.4	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	223	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	ASTM D696
RTI Elec			UL 746B
0.04 in	221	°F	
0.12 in	221	°F	
RTI Imp			UL 746B
0.04 in	221	°F	
0.12 in	221	°F	
RTI Str			UL 746B
0.04 in	221	°F	
0.12 in	221	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.04 in	V-0		
0.12 in	5VA		

Notes

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

