

AuroraGuard™ AP5199AWH1419

Aurora Material Solutions, LLC - Chlorinated Polyvinyl Chloride

General Information

Product Description

A rigid CPVC pellet extrusion compound designed for siding and profile. AP5199 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	• Chemical Resistant	• Good Rigidity	• High Heat Resistance
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
Flammability	Nominal Value	Unit	Test Method
Flame Spread Index (59.8 mil)	15 Class A		ASTM E84
Smoke Developed Index (59.8 mil)	290		ASTM E84
Additional Information	Nominal Value	Unit	Test Method
Cell Classification	24337		ASTM D1784

Notes

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

