

AuroraGuard™ AP5301A BK1031

Aurora Material Solutions, LLC - Chlorinated Polyvinyl Chloride

General Information

Product Description

A rigid CPVC pellet extrusion compound designed for siding and profile

AP5301A provides superior chemical resistance, high temperature performance, and improved weldability when required.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin 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	1.52		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	373000	psi	ASTM D638
Tensile Strength	7460	psi	ASTM D638
Flexural Modulus	394000	psi	ASTM D790
Flexural Strength	17700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	15	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	214	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	ASTM D696
Additional Information	Nominal Value	Unit	Test Method
Cell Classification	26447		ASTM D1784

Notes

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

