

AuroraGuard™ AP5199BBK1031

Aurora Material Solutions, LLC - Chlorinated Polyvinyl Chloride

General Information

Product Description

A black colored rigid CPVC pellet extrusion compound designed for profile AP5199 provides superior chemical resistance and high temperature performance.

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		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.49		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	331000	psi	ASTM D638
Tensile Strength	6960	psi	ASTM D638
Flexural Modulus	370000	psi	ASTM D790
Flexural Strength	11600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.8	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)	214	°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	23437		ASTM D1784

Notes

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

