

AuroraFlex™ XP116221(3)

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A PVC, exterior weatherable, filled, stain resistant, extrusion compound with matte surface.

Note: Additional custom color matching is available upon request.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Filled	• Good Weather Resistance	• Stain Resistant
Uses	• Aerospace Applications	• Consumer Applications	• Furniture
	• Agricultural Applications	• Electrical/Electronic Applications	• Medical/Healthcare Applications
	• Appliances	• Energy Storage	• Personal Care
	• Automotive Applications	• Film	• Sheet
	• Capstock	• Footwear	
Appearance	• Colors Available	• Matte Finish	
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32 to 1.38		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2000	psi	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	69 to 75		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-34.6	°F	ASTM D746
Additional Information	Nominal Value	Unit	Test Method
Accelerated Weathering Duration - 2000 kJ/m2	< 3.00	DE	SAE J2527

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	315 to 345	°F
Cylinder Zone 2 Temp.	315 to 345	°F
Cylinder Zone 3 Temp.	315 to 345	°F
Cylinder Zone 4 Temp.	315 to 345	°F
Cylinder Zone 5 Temp.	315 to 345	°F
Melt Temperature	315 to 325	°F
Die Temperature	345 to 350	°F

