

AuroraFlex™ GA-509-PM

Aurora Material Solutions, LLC - *Polyvinyl Chloride*
General Information
Product Description

105°C, Flame retardant molding compound recognized by UL for sunlight resistance per subjects 62, 1072, 1277 and 1569.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant		
Features	• Flame Retardant	• Sunlight 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	
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34 to 1.38		ASTM D792
Molding Shrinkage - Flow	0.025	in/in	
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2700	psi	ASTM D412
Tensile Elongation (Break)	310	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	84 to 90		ASTM D2240
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	351	°F
Middle Temperature	340	°F
Front Temperature	331	°F
Nozzle Temperature	360	°F
Processing (Melt) Temp	351 to 360	°F

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