

AuroraFlex™ GA-509-80-P5

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A 105°C PVC based flexible, flame retardant, sunlight resistant jacketing compound with 60°C oil resistance rating. GA-509-80-P5 has excellent low temperature properties

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
Additive	• Flame Retardant
Features	• Flame Retardant • Oil Resistant • Good Flexibility • Sunlight Resistant
Uses	• Jacketing
Appearance	• Colors Available
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30 to 1.36		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2250	psi	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	70 to 76		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-34.6	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			UL Unspecified
140°F, 168 hr, in Oil	7.0	%	
277°F, 168 hr	-2.0	%	
Change in Ultimate Elongation			UL Unspecified
140°F, 168 hr, in Oil	-20	%	
277°F, 168 hr	-19	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	340 to 360	°F

Notes

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

