

AuroraFlex™ GA-509CLF

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A 105°C, UL 1277 listed sunlight resistant, power limited and control cable jacket compound meeting CMX-CL2 and VW1 jacketing requirements.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Sunlight Resistant		
Uses	• Cable Jacketing	• Power Cable Jacketing	
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.36 to 1.42		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2490	psi	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	82 to 88		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.4	°F	ASTM D746
Melting Temperature	340 to 360	°F	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (277°F, 168 hr)	0.0	%	UL Unspecified
Change in Ultimate Elongation (277°F, 168 hr)	-15	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	300	°F
Cylinder Zone 2 Temp.	309	°F
Cylinder Zone 3 Temp.	331	°F
Cylinder Zone 4 Temp.	340	°F
Melt Temperature	340 to 360	°F
Die Temperature	345	°F

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