

AuroraFlex™ GA-509-80LGL

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

105°C Wire compound which meets style 1277 T.C. Power and Control Cable requirements, as well as CM(X) and CL2 Jacketing applications, and passes 60°C oil resistance requirements.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.40 to 1.44		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	1890	psi	ASTM D412
Tensile Elongation (Break)	330	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	73 to 79		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-4.00	°F	ASTM D746
Melting Temperature	340 to 360	°F	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			UL Unspecified
250°F, 168 hr	0.0	%	
277°F, 168 hr	5.0	%	
Change in Ultimate Elongation			UL Unspecified
250°F, 168 hr	-5.0	%	
277°F, 168 hr	-8.0	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.7E+10	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	25	%	ASTM D2863

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