

AuroraFlex™ 509-05LF

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A 105°C, UV resistant, 720 hour listed, RoHS compliant, flame retardant PVC based jacketing compound.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Additive	• Flame Retardant
Features	• Flame Retardant • UV Resistant
Uses	• Jacketing
RoHS Compliance	• RoHS Compliant
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.40 to 1.46		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2600	psi	ASTM D412
Tensile Elongation (Break)	390	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	87 to 93		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-11.2	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (277°F, 168 hr)	5.0	%	UL Unspecified
Change in Ultimate Elongation (277°F, 168 hr)	-10	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	325 to 345	°F
Cylinder Zone 2 Temp.	325 to 345	°F
Cylinder Zone 3 Temp.	325 to 345	°F
Cylinder Zone 4 Temp.	325 to 345	°F
Cylinder Zone 5 Temp.	325 to 345	°F
Melt Temperature	325 to 330	°F
Die Temperature	350 to 355	°F

