

AuroraFlex™ GA5748C-03

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A RoHS compliant, UV resistant, 75/80°C insulating and jacketing wire material designed for SJT insulation. UL recognized for QMTT2 TW.

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	
Features	• UV Resistant		
Uses	• Cable Jacketing	• Wire & Cable Applications	
	• Insulation	• Wire Jacketing	
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.39 to 1.44		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2310	psi	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82 to 88		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	1.40	°F	ASTM D746
Deformation - 2 kg (302°F)	37	%	UL 2556
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	7.0E+14	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	325	°F
Cylinder Zone 2 Temp.	330	°F
Cylinder Zone 3 Temp.	335	°F
Cylinder Zone 4 Temp.	340	°F
Melt Temperature	340	°F
Die Temperature	345 to 355	°F

