

AuroraFlex™ GA50980

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A 105°C , UV resistant, flame retardant, RoHS Compliant, jacketing material with good 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	• Low Temperature Toughness	• UV Resistant
Uses	• Jacketing		
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38 to 1.44		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2000	psi	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	67 to 73		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.4	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (277°F, 168 hr)	5.0	%	
Change in Ultimate Elongation (277°F, 168 hr)	-16	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	325	°F
Cylinder Zone 2 Temp.	330	°F
Cylinder Zone 3 Temp.	340	°F
Cylinder Zone 4 Temp.	350	°F
Melt Temperature	330 to 335	°F
Die Temperature	355 to 360	°F

Notes

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

