

AuroraFlex™ GF-91-103

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A non-migratory, non-contaminating, jacketing material designed to meet the requirements of MIL-C-17G Type 2a. This material has an operating temperature of 80°C to -45°C as per the MIL-C-17G type 2a specification.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Low to No Migration
Uses	• Jacketing
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.27 to 1.33		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)	77 to 83		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-34.6	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (235°F, 168 hr)	5.0	%	UL Unspecified
Change in Ultimate Elongation (235°F, 168 hr)	-15	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	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	335	°F
Die Temperature	345 to 350	°F

