

AuroraFlex™ GA2180FR

Aurora Material Solutions, LLC - Flexible Polyvinyl Chloride

General Information
Product Description

A 105°C rated, clear PVC flame retardant jacketing and insulation compound with good low temperature properties.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Uses	• Insulation • Jacketing
Appearance	• Clear/Transparent • Colors Available
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.27		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2500	psi	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ²	-11.2	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (277°F, 168 hr)	7.0	%	
Change in Ultimate Elongation (277°F, 168 hr)	-21	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.125 in)	26	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	300 to 345	°F
Cylinder Zone 2 Temp.	300 to 345	°F
Cylinder Zone 3 Temp.	300 to 345	°F
Cylinder Zone 4 Temp.	300 to 345	°F
Melt Temperature	320 to 330	°F
Die Temperature	350 to 355	°F

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

² 75 mil
