

AuroraFlex™ GTPE 231108

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*

General Information

Product Description

A 105°C , UV resistant, flame retardant, RoHS Compliant, TPE 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	1.30 to 1.36		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2200	psi	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	72 to 78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°F	ASTM D746
Deformation - 2 kg (302°F)	33	%	UL 2556
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			
212°F, 96 hr, in Oil	-20	%	
277°F, 168 hr	5.0	%	
Change in Ultimate Elongation			
212°F, 96 hr, in Oil	-15	%	
277°F, 168 hr	-20	%	
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.	345	°F
Melt Temperature	340	°F
Die Temperature	350 to 355	°F

