

AuroraFlex™ GTPE-2203G1

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*

General Information

Product Description

A RoHS compliant, 105°C rated, flexible, oil resistant, TPE jacketing compound with extremely 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
Features	• Good Flexibility • Low Temperature Resistant • Oil Resistant
Uses	• Jacketing
RoHS Compliance	• RoHS Compliant
Appearance	• Colors Available
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.14 to 1.20		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	595	psi	ASTM D412
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	> 1710	psi	ASTM D412
Tensile Elongation (Break)	> 300	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	55 to 61		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-63.4	°F	ASTM D746
Deformation Under Load - 1 hour @ 150°C	63	%	UL 2556
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			ASTM D471
140°F, 168 hr, in Oil	12	%	
277°F, 168 hr	19	%	
Change in Ultimate Elongation			ASTM D471
140°F, 168 hr, in Oil	-14	%	
277°F, 168 hr	-15	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

