

AuroraGuard™ GTPE 211010

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*
General Information
Product Description

A 105°C, UV resistant TPE jacketing material with oil resistance designed for industrial machinery applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Oil Resistant	• UV Resistant	
Uses	• Jacketing	• Wire & Cable Applications	
Appearance	• Colors Available		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1000	psi	ASTM D412
Tensile Strength	2200	psi	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	75		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-43.6	°F	ASTM D746
Deformation - 2 kg (302°F)	43	%	UL 2556
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			
212°F, 96 hr, in Oil	20	%	
277°F, 168 hr	35	%	
Change in Ultimate Elongation			
212°F, 96 hr, in Oil	-18	%	
277°F, 168 hr	-30	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index ²	31	%	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

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

² Value is intended for reference only
