

AuroraGuard™ GTPE 220811

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

A 105°C TPE jacketing material designed for medium voltage tray cable applications.

General

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

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.42		ASTM D792
Elastomers			
Tensile Stress (100% Strain)	700	psi	ASTM D412
Tensile Strength	1900	psi	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Hardness			
Durometer Hardness (Shore A, 15 sec)	78		ASTM D2240
Thermal			
Brittleness Temperature	-49.0	°F	ASTM D746
Deformation - 2kg (302°F)	37	%	UL 2556
Aging			
Change in Tensile Strength (212°F, 96 hr, in Oil)	-10	%	
Change in Ultimate Elongation (212°F, 96 hr, in Oil)	-15	%	
Flammability			
Oxygen Index ²	44	%	ASTM D2863

Processing Information

	Nominal Value	Unit
Extrusion		
Cylinder Zone 1 Temp.	325	°F
Cylinder Zone 2 Temp.	330	°F
Cylinder Zone 3 Temp.	335	°F
Cylinder Zone 4 Temp.	335	°F
Melt Temperature	340	°F
Die Temperature	340 to 345	°F

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

² Value intended for reference only
