

AuroraGuard™ GTPE-2272-6500GC

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 Resistant	• UV Resistant
Uses	• Cable Jacketing	• Wire & Cable Applications	• Wire Jacketing
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24 to 1.30		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	827	psi	ASTM D638
Tensile Strength	1800	psi	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	73 to 79		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-77.8	°F	ASTM D746
Deformation - 2 kg (302°F)	43	%	UL 2556
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			UL Unspecified
212°F, 96 hr, in Oil	-15	%	
277°F, 168 hr	-5.0	%	
Change in Ultimate Elongation			UL Unspecified
212°F, 96 hr, in Oil	-15	%	
277°F, 168 hr	-15	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	190	°F
Drying Time	4.0	hr
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	345 to 350	°F

