

AuroraFlex™ GTPE-2272-6500

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

A 105°C rated, UV and fungi resistant, flame retardant, TPE jacketing compound with excellent low temperature properties. GTPE-2272-6500 is RoHS compliant.

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	
	• Fungus 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	1.30 to 1.36		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	1800	psi	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	76 to 82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-74.2	°F	ASTM D746
Deformation - 2kg (302°F)	40	%	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	-20	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	36	%	ASTM D2863
Additional Information	Nominal Value	Unit	Test Method
Fungal Resistance	0.00 to 1.00		ASTM G21

