

**AuroraGuard™ GTPE-2272-6500CHMW**

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 <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	1.32 to 1.38		ASTM D792
<b>Elastomers</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Stress (100% Strain)	957	psi	ASTM D638
Tensile Strength	1900	psi	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Durometer Hardness (Shore A, 15 sec)	76 to 82		ASTM D2240
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Brittleness Temperature	-74.2	°F	ASTM D746
Deformation - 2 kg (302°F)	43	%	UL 2556
<b>Aging</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
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	%	
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Oxygen Index	33	%	ASTM D2863

**Processing Information**

<b>Extrusion</b>	<b>Nominal Value</b>	<b>Unit</b>
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.	340	°F
Melt Temperature	340	°F
Die Temperature	345 to 355	°F

