

## AuroraGuard™ GTPO8102ROHS

Aurora Material Solutions, LLC - Polyolefin

### General Information

#### Product Description

The GTPO8102ROHS compound is an FR, UV, olefin-based insulation and jacketing compound for appliance, flat ribbon and heat trace wire applications. It is formulated to meet the UL VW-1 and CSA C22-2 No. 0.6 flame tests and is suitable for 105°C continuous use. Compound is RoHS compliant.

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	• UV Stabilizer	
Uses	• Electronic Insulation	• Jacketing	• Wire & Cable Applications
Agency Ratings	• CSA C-22-2, No. 0.6 flame test	• UL VW-1	
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available		
Processing Method	• Extrusion		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25 to 1.33		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	1600	psi	ASTM D638
Tensile Elongation (Break)	420	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-49.0	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (277°F, 168 hr)	-10	%	UL 1581
Change in Ultimate Elongation (277°F, 168 hr)	-20	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

### Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	356 to 374	°F
Screw L/D Ratio	24.0:1.0 to 30.0:1.0	

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

