

AuroraGuard™ GTPO8102EGSUV

Aurora Material Solutions, LLC - Polyolefin

General Information
Product Description

The GTPO8102EGSUV 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. Compound is RoHS compliant. GTPO8102EGSUV is suitable for 1000 hour sunlight resistance applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant		
Features	• Flame Retardant	• UV Resistant	
Uses	• Cable Jacketing	• Insulation	• Wire & Cable Applications
Agency Ratings	• CSA C-22-2, No. 0.6 flame test	• UL VW-1	
RoHS Compliance	• RoHS Compliant		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25 to 1.31		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	1900	psi	ASTM D638
Tensile Elongation (Break)	500	%	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)	-20	%	UL 1581
Change in Ultimate Elongation (277°F, 168 hr)	-20	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	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
¹ Typical properties: these are not to be construed as specifications.
