

AuroraGuard™ GTPO 8102EGS

Aurora Material Solutions, LLC - Polyolefin

General Information
Product Description

An 105°C 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.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Uses	• Cable Jacketing	• Insulation	• Wire & Cable Applications
Appearance	• Colors Available		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.28		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 ²	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.

² Value is intended for reference only
