

AuroraGuard™ GTPO 8291UVSL

Aurora Material Solutions, LLC - Polyolefin

General Information
Product Description

A Polyolefin based, highly flame retardant, zero halogen compound designed to pass CSA Teck 90 requirements with extra mar and scratch resistance.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Excellent Processability • Good Scratch Resistance • Halogen Free
Uses	• Jacketing • Wire & Cable Applications
Appearance	• Colors Available
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.57 to 1.63		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Compression Molded)	1800	psi	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	150	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	48 to 54		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deformation (250°F)	20	%	UL 2556
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (277°F, 168 hr)	-15	%	UL Unspecified
Change in Ultimate Elongation (277°F, 168 hr)	-20	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index ³	50	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	195	°F
Drying Time	4.0	hr
Cylinder Zone 1 Temp.	310	°F
Cylinder Zone 2 Temp.	320	°F
Cylinder Zone 3 Temp.	330	°F
Cylinder Zone 4 Temp.	340	°F
Melt Temperature	335	°F
Die Temperature	350 to 355	°F

Notes
¹ Typical properties: these are not to be construed as specifications.

² Thermoplastic

³ Value intended for reference only
