

AuroraGuard™ GTPO8290-UV

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.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant		
Features	• Flame Retardant	• Halogen Free	
Uses	• Electronic Insulation	• Jacketing	• Wire & Cable Applications

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.45 to 1.51		ASTM D792
Melt Mass-Flow Rate (MFR) (175°C/21.6 kg)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Compression Molded)	2000	psi	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	220	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	45 to 51		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-38.2	°F	ASTM D746
Deformation (250°F)	18	%	UL 2556
Temperature Rating	221	°F	UL 1581
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (277°F, 168 hr)	-13	%	UL Unspecified
Change in Ultimate Elongation (277°F, 168 hr)	-19	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	43	%	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
