

AuroraGuard™ GTPO 8290 33

Aurora Material Solutions, LLC - *Compounded Polypropylene*

General Information

Product Description

A 90°C TPO based, Low Smoke, Zero Halogen compound, exhibiting excellent processing characteristics with superior physical and low temperature properties

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Halogen Free	• Low Smoke Emission	
Uses	• Wire & Cable Applications		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2000	psi	ASTM D638
Tensile Elongation (Break)	230	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-79.6	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (250°F, 168 hr)	-16	%	ASTM D638
Change in Ultimate Elongation (250°F, 168 hr)	-6.0	%	ASTM D638
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.8E+15	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index ²	34	%	ASTM D2863
Flame Spread			ASTM E162
Ave. Flame Spread Factor	2.84		
Ave. Heat of Evolution	4.22		
Flame Spread Index	11.8		
Smoke Density			ASTM E662
flaming, 1.5 min	0.40	Ds	
flaming, 4 min	2.2	Ds	
non-flaming, 1.5 min	0.50	Ds	
non-flaming, 4 min	3.3	Ds	

Notes

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

² Value is intended for reference only

