

AuroraGuard™ GTPO8290-36UV

Aurora Material Solutions, LLC - Enhanced TPO Polyolefin

General Information
Product Description

A 105°C rated, UV resistant, flexible, TPO based, low smoke, zero halogen compound exhibiting excellent processing characteristics with superior physical and low temperature properties.

Note: Additional custom color matching is available upon request.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Excellent Processability • Good Flexibility	• Halogen Free • Low Smoke Emission	• Low Temperature Toughness • UV Resistant
Uses	• Aerospace Applications • Agricultural Applications • Appliances • Automotive Applications	• Consumer Applications • Electrical/Electronic Applications • Energy Storage • Fencing & Decking	• Medical/Healthcare Applications • Rail Applications • Siding Applications
Appearance	• Colors Available		

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.39		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2000	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-67.0	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (277°F, 168 hr)	90	%	ASTM D638
Change in Ultimate Elongation (277°F, 168 hr)	85	%	ASTM D638
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.3E+15	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	36	%	ASTM D2863

Notes

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

