

AuroraGuard™ GTPO8290FRCON-3

 Aurora Material Solutions, LLC - *Compounded Polypropylene*
General Information
Product Description

A Black conductive TPO based compound suitable for extrusion application.

Note: Additional custom color matching is available upon request.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.23 to 1.29		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus - Tangent	30000	psi	ASTM D790B
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ²	1410	psi	ASTM D412
Tensile Elongation ² (Break)	300	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	39 to 45		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ³	-58.0	°F	ASTM D746
Temperature Rating	194	°F	UL 1581
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 5.0E+4	ohms	ASTM D257
Volume Resistivity	< 7.0E+4	ohms·cm	ASTM D257

Processing Information

Extrusion	Nominal Value	Unit
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	320	°F
Die Temperature	340 to 345	°F

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

² Die C

³ 75mil
