

S&E; Wire & Cable GTPO 9100HF Series

Thermoplastic Polyolefin Elastomer

S&E; Specialty Polymers, LLC

Message:

New generation 80/90C, UV Resistant, low gravity, flexible, polyolefin based Zero Halogen compound with good physical characteristics.

General Information			
Features	Good Flexibility		
	Good UV Resistance		
	Halogen Free		
	Low Density		
Uses	Wire & Cable Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
pH	8.4		IEC 60754-2
Conductivity	17.9	μS/mm	IEC 60754-2
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	> 12.4	MPa	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (121°C, 168 hr)	-18	%	UL 1581
Change in Ultimate Elongation in Air (121°C, 168 hr)	-22	%	UL 1581
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -16.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.2E+14	ohms · cm	ASTM D257
Dielectric Constant (23°C, 1 MHz)	2.93		ASTM D150
Dissipation Factor (23°C, 1 MHz)	5.9E-3		ASTM D150

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