Macromeric® 0110-108 BK

Chlorinated Polyethylene

Saco Polymers

Message:

Lead-free Thermoplastic CPE compound

Macromeric ® 0110-108 BK is a black, UV resistant, Lead-free, RoHS compliant, Thermoplastic CPE compound. It is designed for use in a wide variety of jacketing applications including wire and cable and tube bundles. This compound has superior fire performance; including slow flame propagation, and self-extinguishing characteristics. Macromeric ® 0101-108 BK should be extruded with a screw configuration designed to optimize process conditions and throughput. This extrusion compound is designed to meet the jacketing requirements of commonly cited cable specifications, including UL 1277 tray cable.

Additive Flame Retardant Features Flame Retardant Good UV Resistance Low (to None) Lead Content Self Extinguishing Self Extinguishing Uses Cable Jacketing Myre & Cable Applications Self Extinguishing Agency Ratings UL 1277 RoHS Compliance RoHS Compliant Appearance Black Forms Pellets Processing Method Extrusion Specific Gravity ¹ 1.37 g/cm ³ ASTM D723 Melt Mass-Flow Rate (MFR) (190°/2/16) 6.0 g/10 min ASTM D723 Shore A. 1 sec 91 Test Method Statu D724 Shore D. 10 sec 52 Statu D724 ASTM D638 Tensile Etrongint (Break) 15.9 MPa ASTM D638 Tensile Strength (Break) 15.9 MPa ASTM D638 Tensile Strength (Break) 345 MPa ASTM D638 Tensile Strength (Break) 345 MPa ASTM D638 Tensile Strength (Break) 345 MPa ASTM D638 Tensile Grongation (Break) 345 <th>General Information</th> <th></th> <th></th> <th></th>	General Information			
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	Elastomers	Nominal Value	Unit	Test Method
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	Aging	Nominal Value	Unit	Test Method

Change in Tensile Strength in Air (121°C, 168 hr)	-5.0	%	ASTM D638
Change in Ultimate Elongation in Air (121°C, 168 hr)	-15	%	ASTM D638
Change in Tensile Strength			ASTM D638
75°C, 1440 hr, in IRM 902 Oil	-20	%	
100°C, 96 hr, in IRM 902 Oil	-25	%	
Change in Ultimate Elongation			ASTM D638
75°C, 1440 hr, in IRM 902 Oil	-25	%	
100°C, 96 hr, in IRM 902 Oil	-25	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ²	-33.0	°C	ASTM D746
Deformation - 2000-gram load			UL 1277
100°C	7.0	%	
121°C	14	%	
Head Temperature	174 to 185	°C	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index ³	44	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	149 to 160	°C	
Cylinder Zone 2 Temp.	160 to 174	°C	
Cylinder Zone 3 Temp.	174 to 185	°C	
Cylinder Zone 4 Temp.	174 to 185	°C	
Melt Temperature	174 to 185	°C	
Die Temperature	174 to 185	°C	
NOTE			
1.	23°C		
2.	3 minutes in methanol		
3.	23°C		

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