

Garaflex™ E 50-10-B NATURAL

Thermoplastic Elastomer

AlphaGary

Message:

A NON-MIGRATING GARAFLEX JACKET COMPOUND FOR MIL C 17 G.

General Information			
Features	Low to No Migration		
Uses	Cable Jacketing		
Agency Ratings	MIL C-17		
RoHS Compliance	Contact Manufacturer		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26 to 1.30	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	93 to 99		
Shore A, 15 sec	85 to 91		
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (1.02 mm)	23.4	MPa	ASTM D412
Tensile Elongation (Break, 1.02 mm)	250	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹ (113°C, 168 hr)	10	%	UL Unspecified
Change in Ultimate Elongation in Air ² (113°C, 168 hr)	-10	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-55.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	3.6E+12	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	27	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	149	°C	
Cylinder Zone 2 Temp.	160	°C	
Cylinder Zone 3 Temp.	166	°C	
Cylinder Zone 4 Temp.	171	°C	
Cylinder Zone 5 Temp.	171	°C	
Adapter Temperature	171	°C	

Melt Temperature	166 to 177	°C
Die Temperature	171	°C
NOTE		
1.	Thickness: 40 mil	
2.	Thickness: 40 mil	

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