

Garaflex™ O 9949RA NATURAL

Thermoplastic Elastomer

AlphaGary

Message:

GARAFLEX O 9949RA IS A PBB, PBBE AND PBBO FREE, 105C DEGREE, FLAME RETARDED, OLEFINIC THERMOPLASTIC ELASTOMER INTENDED FOR FLAT RIBBON PRIMARY AND HEAT TRACING CABLE.

General Information			
Features	Flame retardancy		
Uses	Cable sheath		
RoHS Compliance	Contact manufacturer		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15 - 1.19	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	56 - 62		ASTM D2240
Shaw D, 15 seconds	46 - 52		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.762 mm)	8.96	MPa	ASTM D412
Tensile Elongation (Break, 0.762 mm)	190	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-50.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
23°C, 1 MHz	2.36		ASTM D150
23°C, 1.00 GHz	2.45		ASTM D150
Dissipation Factor			ASTM D150
23°C, 1 MHz	5.0E-4		ASTM D150
23°C, 1.00 GHz	1.0E-4		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	29	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	166	°C	
Cylinder Zone 2 Temp.	188	°C	
Cylinder Zone 3 Temp.	193	°C	
Cylinder Zone 4 Temp.	199	°C	
Cylinder Zone 5 Temp.	204	°C	

Adapter Temperature	204	°C
Melt Temperature	204 - 216	°C
Die Temperature	204	°C

Extrusion instructions

Screen Pack: 40/80 or 40/100

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