

Garaflex™ O 9940 DWN-R NATURAL

Thermoplastic Elastomer

AlphaGary

Message:

GARAFLEX-O 9940 DWN-R IS A PBB, PBBE & PBBO FREE, 125C DEGREE, FLAME RETARDED OLEFINIC THERMOPLASTIC ELASTOMER WITH EXCELLENT DRY AND WET ELECTRICAL STABILITY.

General Information			
Features	Good electrical performance		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28 - 1.32	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	50 - 56		ASTM D2240
Shaw D, 15 seconds	41 - 47		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.762 mm)	15.2	MPa	ASTM D412
Tensile Elongation (Break, 0.762 mm)	550	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹			UL Unspecified
136°C, 168 hr	0.0	%	UL Unspecified
158°C, 168 hr	0.0	%	UL Unspecified
Change in Ultimate Elongation in Air ²			UL Unspecified
136°C, 168 hr	-5.0	%	UL Unspecified
158°C, 168 hr	-10	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (1 MHz)	2.40		ASTM D150
Dissipation Factor (23°C, 1 MHz)	4.0E-4		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	35	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160	°C	

Cylinder Zone 2 Temp.	171	°C
Cylinder Zone 3 Temp.	177	°C
Cylinder Zone 4 Temp.	182	°C
Cylinder Zone 5 Temp.	188	°C
Adapter Temperature	182	°C
Melt Temperature	182 - 191	°C
Die Temperature	182	°C

Extrusion instructions

Screens: 20/40/100/20Screw Design: Standard Olefin Metering Screw

NOTE

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|----|-------------------|
| 1. | Thickness: 30 mil |
| 2. | Thickness: 30 mil |

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