



# GARAFLEX O 9940 DWN-R NATURAL

## Alphagary - Thermoplastic Polyolefin Elastomer

### General Information

#### Product Description

A PBB, PBBE & PBBO FREE, 125°C RATED, UV STABILIZED, FLAME RETARDED OLEFINIC THERMOPLASTIC ELASTOMER WITH EXCELLENT DRY AND WET ELECTRICAL STABILITY.

#### General

Additive	<ul style="list-style-type: none"> <li>Flame Retardant</li> <li>UV Stabilizer</li> </ul>
Features	<ul style="list-style-type: none"> <li>Flame Retardant</li> <li>Good Electrical Properties</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Wire &amp; Cable Applications</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Natural Color</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Wire &amp; Cable Extrusion</li> </ul>

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.0300 in)	2200	psi	ASTM D412
Tensile Elongation (Break, 0.0300 in)	550	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, Instant	53		
Shore D, 15 sec	44		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature <sup>2</sup>	-76.0	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air <sup>3</sup>			UL Unspecified
277°F, 168 hr	0.0	%	
316°F, 168 hr	0.0	%	
Change in Ultimate Elongation in Air <sup>3</sup>			UL Unspecified
277°F, 168 hr	-5.0	%	
316°F, 168 hr	-10	%	
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (1 MHz)	2.40		ASTM D150
Dissipation Factor (73°F, 1 MHz)	4.0E-4		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.125 in)	35	%	ASTM D2863

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> F50

<sup>3</sup> Thickness: 30 mil