

GARAFLEX O 9940SA NAT

Alphagary - Thermoplastic Polyolefin Elastomer

General Information

Product Description

GARAFLEX-O™ 9940SA IS A PBB, PBBE and PBBO FREE, 105°C RATED, RoHS COMPLIANT, FLAME RETARDED OLEFINIC THERMOPLASTIC ELASTOMER INTENDED FOR FLAT RIBBON CABLE PRIMARY AND HEAT TRACING CABLE.

General

Additive	• Flame Retardant
Features	• Flame Retardant
Uses	• Wire & Cable Applications
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Processing Method	• Wire & Cable Extrusion

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.0300 in)	2000	psi	ASTM D412
Tensile Elongation (Break, 0.0300 in)	500	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, Instant	51		
Shore D, 15 sec	43		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ²	-63.4	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (277°F, 168 hr)	5.0	%	UL Unspecified
Change in Ultimate Elongation in Air ³ (277°F, 168 hr)	-9.0	%	UL Unspecified
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (73°F, 1 MHz)	2.45		ASTM D150
Dissipation Factor (73°F, 1 MHz)	1.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.03 in)	V-0		UL 94
Oxygen Index (0.125 in)	30	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	400	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² F50

³ Thickness: 30 mil