

GARAFLEX G 7788-A6R NATURAL

Alphagary - Styrenic Thermoplastic Elastomer

General Information

Product Description

A LEAD, PBB, PBBE & PBBO FREE, 105°C RATED, FLAME RETARDANT, UV & OIL RESISTANT THERMOPLASTIC ELASTOMER INTENDED FOR INSULATION AND JACKETING APPLICATIONS.

General

Features	<ul style="list-style-type: none"> Flame Retardant Low (to None) Lead Content 	<ul style="list-style-type: none"> Oil Resistant UV Resistant
Uses	<ul style="list-style-type: none"> Cable Jacketing 	<ul style="list-style-type: none"> Insulation Wire & Cable Applications
Appearance	<ul style="list-style-type: none"> Natural Color 	
Processing Method	<ul style="list-style-type: none"> Wire & Cable Extrusion 	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ²	3600	psi	ASTM D412
Tensile Elongation ² (Break)	500	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, Instant	96		
Shore A, 15 sec	92		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ³	-76.0	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ⁴ (277°F, 168 hr)	0.0	%	UL Unspecified
Change in Ultimate Elongation in Air ⁴ (277°F, 168 hr)	-2.0	%	UL Unspecified
Change in Tensile Strength ⁴ 140°F, 168 hr, in IRM 902 Oil	-8.0	%	UL Unspecified
Change in Ultimate Elongation ⁴ 140°F, 168 hr, in IRM 902 Oil	-4.0	%	UL Unspecified
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (73°F)	4.0E+15	ohms·cm	ASTM D257
Dielectric Constant (73°F, 100 MHz)	2.30		ASTM D150
Dissipation Factor (73°F, 100 MHz)	5.0E-4		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.125 in)	25	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	385	°F