

GARAFLEX E 4762-A5 NAT LCF

Alphagary - Thermoplastic Vulcanizate

General Information

Product Description

A 105°C, LEAD FREE, LOW TEMPERATURE, FLEXIBLE JACKET AND INSULATION COMPOUND.

General

Features	• Good Flexibility	• Low (to None) Lead Content	• Low Temperature Resistant
Uses	• Flexible Jacketing	• Insulation	• Wire & Cable Applications
Appearance	• Natural Color		
Processing Method	• Wire & Cable Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.16		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
0.0250 in	2300	psi	
0.0750 in	2000	psi	
Tensile Elongation			ASTM D412
Break, 0.0250 in	300	%	
Break, 0.0750 in	340	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, Instant	74		
Shore A, 15 sec	65		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ²	-63.4	°F	ASTM D746
Deformation - Retention, 1 hour (302°F, 25.0 mil)	60	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (277°F, 168 hr)	30	%	UL Unspecified
Change in Ultimate Elongation in Air ³ (277°F, 168 hr)	-25	%	UL Unspecified
Change in Tensile Strength			UL Unspecified
212°F, 70 hr, in ASTM #1 Oil ⁴	10	%	
212°F, 70 hr, in ASTM #1 Oil ⁵	11	%	
Change in Ultimate Elongation			UL Unspecified
212°F, 70 hr, in ASTM #1 Oil ⁴	-7.0	%	
212°F, 70 hr, in ASTM #1 Oil ⁵	-7.0	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.125 in)	23	%	ASTM D2863