

GARAFLEX E 4771-A8 NAT OR1-UV LCF

Alphagary - Thermoplastic Vulcanizate

General Information

Product Description

GARAFLEX™ E 4771-A8 OR1-UV LCF IS A LEAD FREE, 105°C RATED, OIL & UV RESISTANT, FLAME RETARDED, FLEXIBLE COMPOUND FOR CABLE JACKET APPLICATIONS.

General

Additive	• Flame Retardant		
Features	• Flame Retardant	• Low (to None) Lead Content	• UV Resistant
	• Good Flexibility	• Oil Resistant	
Uses	• Flexible Jacketing	• Wire & Cable Applications	
Appearance	• Natural Color		
Processing Method	• Wire & Cable Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.41		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
0.0300 in	2300	psi	
0.0750 in	1900	psi	
Tensile Elongation			ASTM D412
Break, 0.0300 in	330	%	
Break, 0.0750 in	360	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, Instant	78		
Shore A, 15 sec	69		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ²	-11.2	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (277°F, 168 hr)	-8.0	%	UL Unspecified
Change in Ultimate Elongation in Air ³ (277°F, 168 hr)	-18	%	UL Unspecified
Change in Tensile Strength ³			UL Unspecified
140°F, 168 hr, in IRM 902 Oil	-5.0	%	
212°F, 96 hr, in IRM 902 Oil	0.0	%	
Change in Ultimate Elongation			UL Unspecified
140°F, 168 hr, in IRM 902 Oil ³	-15	%	
212°F, 96 hr, in IRM 902 Oil	-8.0	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.125 in)	34	%	ASTM D2863