

Garaflex™ G 7765-A5R NATURAL

Thermoplastic Elastomer

AlphaGary

Message:

GARAFLEX G 7765-A5R IS A ROHS COMPLIANT, THERMOPLASTIC ELASTOMER INTENDED FOR WIRE AND CABLE APPLICATIONS.

General Information			
Uses	Wire & Cable Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04 to 1.10	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness	ASTM D2240		
Shore A	80 to 88		
Shore A, 15 sec	73 to 81		
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (0.762 mm)	17.9	MPa	ASTM D412
Tensile Elongation (Break, 0.762 mm)	580	%	ASTM D412
Tear Strength (0.762 mm)	43.8	kN/m	ASTM D624
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹ (136°C, 168 hr)	0.0	%	UL Unspecified
Change in Ultimate Elongation in Air ² (136°C, 168 hr)	-5.0	%	UL Unspecified
Change in Tensile Strength ³ (60°C, 168 hr, in ASTM #2 Oil)	-45	%	UL Unspecified
Change in Ultimate Elongation ⁴ (60°C, 168 hr, in ASTM #2 Oil)	-15	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	23	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	171	°C	
Cylinder Zone 2 Temp.	177	°C	
Cylinder Zone 3 Temp.	182	°C	
Cylinder Zone 4 Temp.	188	°C	
Cylinder Zone 5 Temp.	193	°C	

Adapter Temperature	193	°C
Melt Temperature	193 to 204	°C
Die Temperature	193	°C

NOTE		
1.	Thickness: 30 mil	
2.	Thickness: 30 mil	
3.	Thickness: 30 mil	
4.	Thickness: 30 mil	

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