

Arlon R30370A008 0.008" Uncured Silicone Rubber with Fiberglass Substrate

Category : Polymer , Thermoset , Silicone , Silicone, Molded, Glass Fiber Filled

Material Notes:

Design/Construction: Interleave: 0.001" FEP Film Side 1: Unsupported/Uncured Silicone Rubber Substrate: 0.003" PTFE coated

Fiberglass This data represents typical values for the production material and should not be used as material specifications. Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-R30370A008-0008-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Substrate
	203 microns	8.00 mil	Rubber

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 60	>= 60	Silicone Property
Tensile Strength	5.17 MPa	750 psi	Silicone Property
Elongation at Break	275 %	275 %	Silicone Property
Shear Modulus	<= 0.000689 GPa	<= 0.100 ksi	
Shear Strength	>= 2.76 MPa	>= 400 psi	Lap

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.320 W/m-K	2.22 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Inert	232 °C	450 °F	
Minimum Service Temperature, Air	-73.3 °C	-100 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	13.8 kV/mm	350 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	Recommended Cure Cycle
	@Temperature 121 °C	@Temperature 250 °F	
Shelf Life	3.00 Month	3.00 Month	

Descriptive Properties	Value	Comments
Color	Light Blue	
Thermal Impedance (°C/W)	0.7	
Total Product Weight (oz/yd2)	9	

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