

Arlon 99410R015 0.015" Uncured Silicone Rubber with PTFE Coated Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: 0.001" FEPSide 1: Unsupported/Uncured Silicone RubberSubstrate: 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-99410R015-0015-Uncured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Substrate
	381 microns	15.0 mil	Rubber

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	Silicone Property
Tensile Strength	>= 4.83 MPa	>= 700 psi	Silicone Property
Elongation at Break	>= 250 %	>= 250 %	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	32.0 W/m-K	222 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	tolerance - 5.25 KV minimum

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	Recommended Cure Cycle
	@Temperature 121 °C	@Temperature 250 °F	
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Color	Red	
Thermal Impedance (°C/W)	1.3	
Total Product Weight (oz/yd2)	17	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China