

Arlon 49583R010 0.0105" (0.267 mm) Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction:Side 1: Cured Silicone RubberSide 2: Cured Silicone RubberThis data Represents typical values for the production material. The data should not be used to write, or in place of, material specifications.Information provided by Arlon, Silicone Technologies Division

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-49583R010-00105-0267-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	>= 63.5 microns	>= 2.50 mil	Side 1
	>= 63.5 microns	>= 2.50 mil	Side 2
	76.2 microns	3.00 mil	Polyethylene, Interleave
	140 microns	5.50 mil	Prime Coated 1681 Fiberglass, Substrate
	241 - 292 microns	9.50 - 11.5 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 50	40 - 50	Compound Property
Tensile Strength	>= 5.52 MPa	>= 800 psi	Compound Property
Elongation at Break	>= 500 %	>= 500 %	Compound Property
Peel Strength	>= 1.05 kN/m	>= 6.00 pli	Bond Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	rated per UL card E54153
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability, UL94	HB	HB	Compound Rated

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	

Processing Properties	Metric	English	Comments
	12.0 Month	12.0 Month	

Shelf Life			
Processing Properties	Metric	English	From date of manufacture
	@ Temperature 23.9 °C	@ Temperature 75.0 °F	Comments

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	9.9 - 11.9	
Uncoated Fabric Break Strength	110 lb/in	Fill Direction, Substrate Property
	195 lb/in	Warp Direction, Substrate Property

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