

Arlon 51393R031 0.031 (0.635 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 Rubber Pad Life: 150 Cycles (temperature and time dependent)This 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-51393R031-0031-0635-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene, Interleave
	203 microns	8.00 mil	Prime Coated 7628 Fiberglass, Substrate
	279 microns	11.0 mil	Side 1
	305 microns	12.0 mil	Side 2
	711 - 864 microns	28.0 - 34.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 60	50 - 60	Compound Property
Tensile Strength	>= 4.14 MPa	>= 600 psi	Compound Property
Elongation at Break	>= 300 %	>= 300 %	Compound Property

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	400 °F	Continuous

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

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	From date of manufacture
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	

Descriptive Properties	Value	Comments
Total Product Weight (oz/yd ²)	36.3 - 45.3	
Uncoated Fabric Break Strength	200 lb/in	Fill Direction, Substrate Property
	250 lb/in	Warp Direction, Substrate Property

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