

Arlon 51422R020 0.020" Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction:Side 1: Cured Silicone RubberSubstrate: Prime Coated 7628 FiberglassInterleave: 3 mil PolyethyleneThis 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-51422R020-0020-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	203 microns	8.00 mil	Substrate
	305 microns	12.0 mil	Side 1
	508 microns	20.0 mil	Overall Thickness

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	Silicone Property
Tensile Strength	6.21 MPa	900 psi	Silicone Property
Elongation at Break	350 %	350 %	Silicone Property

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

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

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Post Cure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	

Descriptive Properties (oz/yd2)	Value	Comments
Uncoated Fabric Break Strength (lb/in)	200	Fill direction
	250	Warp direction

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