

Arlon 19540R020 0.020" (0.508 mm) Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: Polyethylene Side 1: Uncured Silicone RubberSubstrate: 1523 Style FiberglassThis 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-19540R020-0020-0508-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Interleave
	152 microns	6.00 mil	Side 1; Arlon SQA-TMS-003
	381 microns	15.0 mil	Substrate; Arlon SQA-TMS-003
	508 microns	20.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	>= 45	>= 45	Silicone Property; ASTM D2240
Tensile Strength	6.76 MPa	980 psi	Silicone Property; ASTM D412
Elongation at Break	390 %	390 %	Silicone Property; ASTM D412
Peel Strength	1.70 kN/m	9.70 pli	Bond Strength; ASTM D624

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	18.1 kV/mm	460 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	

Processing Properties	Metric	English	Comments
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	Recommended Cure Cycle
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	21.2	Arlon SQA-TMS-025

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