

Arlon P30670R020 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: Side 1: Uncured Silicone Rubber Substrate: Style 1165 Fiberglass
Appearance: Red silicone gum on fiberglass with polymer release liners
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-P30670R020-0020-0508-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	50.8 microns	2.00 mil	Overall; Arlon SQA-TMS-003
	102 microns	4.00 mil	Substrate; Arlon SQA-TMS-003
	406 microns	16.0 mil	Side 1; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	Silicone Property; ASTM D2240
Tensile Strength	7.86 MPa	1140 psi	Silicone Property; ASTM D412
Elongation at Break	340 %	340 %	Silicone Property; ASTM D412
Tear Strength	17.0 kN/m	97.0 pli	Die B, Silicone Property; ASTM D624
Peel Strength	1.58 kN/m	9.00 pli	Bond Strength (S1 to S1); Arlon SQA-TMS-011
	2.12 kN/m	12.1 pli	Bond Strength (S1 to S2); Arlon SQA-TMS-011

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

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	

Processing Properties	Metric	English	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 121 °C	@Pressure 50.0 psi, Temperature 250 °F	
Shelf Life	3.00 Month @Temperature 7.22 °C	3.00 Month @Temperature 45.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
	Red	Substrate
Total Product Weight (oz/yd2)	20.3	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