

Arlon R38726R020 0.020" (0.508 mm) Uncured/Cured Silicone Rubber with Fiberglass Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Interleave: Polyethylene Side 2: Uncured Silicone RubberSubstrate: Style 162 FiberglassSide 1: Cured

SiliconeProduct Use: Flexible heater substrateAppearance: Red colored, high viscosity gum and rubber on fiberglass clothThis 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-R38726R020-0020-0508-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	63.5 microns	2.50 mil	Interleave
	76.2 microns	3.00 mil	Side 1; Arlon SQA-TMS-003
	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	229 microns	9.00 mil	Side 2; Arlon SQA-TMS-003
	508 microns	20.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	51	51	Silicone Property; ASTM D2240
Tensile Strength	8.088 MPa	1173 psi	Silicone Property; ASTM D412
Elongation at Break	567 %	567 %	Silicone Property; ASTM D412
Peel Strength	3.37 kN/m	19.2 pli	Bond Strength; 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	

Electrical Properties	Metric	English	Comments
Dielectric Strength	26.8 kV/mm	680 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
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Processing Properties Cure Time	120 min Metric	2.00 hour English	Comments Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 121 °C	@Pressure 50.0 psi, Temperature 250 °F	
Shelf Life	6.00 Month	6.00 Month	From date of manufacture
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
	Red	Substrate
Total Product Weight (oz/yd2)	20.7	Arlon SQA-TMS-025

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