

Arlon 51344R025 0.025" (0.635 mm) Semi-Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: Polyethylene Side 1: Semi-Cured Silicone RubberSubstrate: Style 7628 FiberglassAppearance: Red silicone gum 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-51344R025-0025-0635-mm-Semi-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Interleave
	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	432 microns	17.0 mil	Side 1; Arlon SQA-TMS-003
	635 microns	25.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	38	38	Silicone Property; ASTM D2240
Tensile Strength	6.96 MPa	1010 psi	Silicone Property; ASTM D412
Elongation at Break	579 %	579 %	Silicone Property; ASTM D412
Tear Strength	21.0 kN/m	120 pli	[ppiw], Silicone Property
Peel Strength	3.16 kN/m	18.0 pli	(S1 to S2), 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	33.7 kV/mm	855 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
	120 min	2.00 hour	

Cure Time Processing Properties	Metric @ Temperature 204 °C	English @ Temperature 400 °F	Recommended Postcure Cycle Comments
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °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)	24.9	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