

Arlon 99580R010 0.010" (0.254 mm) Uncured Silicone Rubber with PTFE Coated Fiberglass Carrier

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

Material Notes:

Design/Construction: Interleave: FEP FilmSide 1: Uncured Silicone Rubber Carrier: PTFE Coated FiberglassFlexible heater

substrateAppearance: Red, High viscosity gum on release linersThis 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-99580R010-0010-0254-mm-Uncured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Carrier.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	25.4 microns	1.00 mil	Interleave
	76.2 microns	3.00 mil	Carrier; Arlon SQA-TMS-003
	254 microns	10.0 mil	Overall; Arlon SQA-TMS-003
	254 microns	10.0 mil	Side 1; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	37	37	Silicone Property; ASTM D2240
Tensile Strength	6.55 MPa	950 psi	Silicone Property; ASTM D412
Elongation at Break	620 %	620 %	Silicone Property; ASTM D412
Tear Strength	26.3 kN/m	150 pli	Die B, Silicone Property; 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	
Flammability, UL94	HB	HB	per card E54153
	@Temperature 200 °C	@Temperature 392 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	47.87 kV/mm	1216 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	
	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	
Total Product Weight (oz/yd2)	10.7	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