

Arlon 32980R015 0.015" (0.381 mm) Uncured Silicon Rubber on Polyester Film Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Interleave: PolyethyleneSide 1: Uncured Silicone RubberCarrier: Polyester FilmProduct Use: Flexible heater substrateAppearance: Red colored, high viscosity gum on polymer 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-32980R015-0015-0381-mm-Uncured-Silicon-Rubber-on-Polyester-Film-Carrier.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	127 microns	5.00 mil	Polyester Film Carrier; Arlon SQA-TMS-003
	381 microns	15.0 mil	Side 1; Arlon SQA-TMS-003
	381 microns	15.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	Silicone Property; ASTM D2240
Tensile Strength	4.83 MPa	700 psi	Silicone Property; ASTM D412
Elongation at Break	190 %	190 %	Silicone Property; ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
UL RTI, Electrical	150 °C	302 °F	E54153
UL RTI, Mechanical without Impact	150 °C	302 °F	E54153
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Strength	55.1 kV/mm	1400 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 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	
	Translucent	Carrier
Total Product Weight (oz/yd2)	17.7	Arlon SQA-TMS-025

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