

Arlon 32580R015 0.015" (0.381 mm) Uncured Unsupported Silicone Rubber on a PET Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction:Side 1: Uncured Unsupported Silicone Rubber on PET CarrierAppearance: Red silicone gum on polymer linerThis 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-32580R015-0015-0381-mm-Uncured-Unsupported-Silicone-Rubber-on-a-PET-Carrier.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene Interleave
	127 microns	5.00 mil	PET Carrier; Arlon SQA-TMS-003
	381 microns	15.0 mil	Overall; Arlon SQA-TMS-003
	381 microns	15.0 mil	Side 1; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	Compound Property; ASTM D2240
Tensile Strength	5.52 MPa	800 psi	Compound Property; ASTM D412
Elongation at Break	500 %	500 %	Compound Property; ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	rated per UL card E54153
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.7 kV/mm	400 kV/in	Arlon SQA-TMS-020

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

Processing Properties	Metric @Pressure 0.345 MPa, Temperature 177 °C	English @Pressure 50.0 psi, Temperature 350 °F	Comments
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	14.8	Arlon SQA-TMS-025

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