

Arlon 31580R015 0.015" (0.381 mm) Uncured Unsupported Silicone Rubber on an HDPE Carrier (discontinued *)

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction:Side 1: Uncured Unsupported Silicone Rubber on a HDPE 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 specificationsInformation provided by Arlon, Silicone Technologies Division

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-31580R015-0015-0381-mm-Uncured-Unsupported-Silicone-Rubber-on-an-HDPE-Carrier-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene Interleave
	178 microns	7.00 mil	HDPE Carrier
	343 - 419 microns	13.5 - 16.5 mil	Overall
	343 - 419 microns	13.5 - 16.5 mil	Side 1

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 50	40 - 50	Compound Property
Tensile Strength	>= 5.52 MPa	>= 800 psi	Compound Property
Elongation at Break	500 %	500 %	Compound Property
Peel Strength	1.05 kN/m	6.00 pli	Bond Strength

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	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	

Processing Properties	Metric	English	Comments
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	Recommended Cure Cycle
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)	14.2 - 17.2	

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