

Arlon 30570R010 0.010" (0.254 mm) Uncured/Unsupported Silicone Rubber on a Release Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction:Side 1: Uncured/Unsupported Silicone Rubber on a Release Carrier Appearance: Red silicone gum on polymer liner
This 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-30570R010-0010-0254-mm-UncuredUnsupported-Silicone-Rubber-on-a-Release-Carrier.php

Physical Properties	Metric	English	Comments
Thickness	38.1 microns	1.50 mil	Polyethylene Interleave
	127 microns	5.00 mil	Kodacel Carrier
	229 - 279 microns	9.00 - 11.0 mil	Overall
	229 - 279 microns	9.00 - 11.0 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

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	220 °C	428 °F	per UL Card E54153
UL RTI, Mechanical without Impact	200 °C	392 °F	per UL Card E54153
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	15.0 min	0.250 hour	Recommended Cure Cycle

Processing Properties	@Temperature 177 °C Metric	@Temperature 350 °F English	Comments
	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 232 °C	@Temperature 450 °F	
Shelf Life	6.00 Month	6.00 Month	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	7.5 - 9.2	

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