

Arlon 30570R020 0.020" (0.508 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-30570R020-0020-0508-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
	457 - 559 microns	18.0 - 22.0 mil	Overall
	457 - 559 microns	18.0 - 22.0 mil	Side 1

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 50	40 - 50	Compound Property
Tensile Strength	5.58 - 6.83 MPa	810 - 990 psi	Compound Property
Elongation at Break	540 - 660 %	540 - 660 %	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	

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
	@Temperature 177 °C	@Temperature 350 °F	
	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	

Shelf Life Processing Properties	6.00 Month Metric	6.00 Month English	From date of manufacture Comments
Descriptive Properties		Value	Comments
Color		Red	
Total Product Weight (oz/yd2)		15.8 - 19.4	

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