

Arlon 41570R015 0.015" Uncured, Unsupported Silicone Rubber on Release Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Interleave: 0.003" Polyethylene Side 1: Uncured, Unsupported Silicone Rubber Substrate: Holland Cloth Carrier
This data represents typical values for the production material and should not be used as material specifications. Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-41570R015-0015-Uncured-Unsupported-Silicone-Rubber-on-Release-Carrier.php

Physical Properties	Metric	English	Comments
Thickness	127 microns	5.00 mil	Substrate
	381 microns	15.0 mil	Silicone

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	Silicone Property
Tensile Strength	>= 5.52 MPa	>= 800 psi	Silicone Property
Elongation at Break	>= 500 %	>= 500 %	Silicone Property
Peel Strength	>= 1.05 kN/m	>= 6.00 pli	Bond Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
UL RTI, Electrical	220 °C	428 °F	E63753
UL RTI, Mechanical without Impact	200 °C	392 °F	E63753
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 Post Cure Cycle
	@Temperature 204 °C	@Temperature 400 °F	

Processing Properties	15.0 min Metric	0.250 hour English	Comments Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	15	

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