

Arlon R35121R063 0.063" (1.60 mm) Uncured Rubber with Fiberglass Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber , Silicone, Molded, Glass Fiber Filled

Material Notes:

Design/Construction:Side 1: Uncured RubberSide 2: Uncured Rubber 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-R35121R063-0063-160-mm-Uncured-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene, Interleave
	483 microns	19.0 mil	Prime Coated 7500 Fiberglass, Substrate
	533 microns	21.0 mil	Side 2
	>= 584 microns	>= 23.0 mil	Side 1
	1470 - 1730 microns	58.0 - 68.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48 - 58	48 - 58	Compound Property, Side 1
	52 - 62	52 - 62	Compound Property, Side 2
Tensile Strength	>= 0.689 MPa	>= 100 psi	Compound Property, Side 2
	>= 5.86 MPa	>= 850 psi	Compound Property, Side 1
Elongation at Break	>= 300 %	>= 300 %	Compound Property, Side 1
	>= 500 %	>= 500 %	Compound Property, Side 2
Peel Strength	>= 1.40 kN/m	>= 8.00 pli	Bond Strength

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
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Processing Properties	120 min Metric	2.00 hour English	Comments
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	
	@Pressure 0.689 MPa, Temperature 152 °C	@Pressure 100 psi, Temperature 305 °F	Recommended Cure Cycle
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 21.1 °C	@Temperature 70.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	53.2 - 62.6	
Uncoated Fabric Break Strength	250 lb/in	Fill Direction, Substrate Property
	300 lb/in	Warp Direction, Substrate Property

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China