

## Arlon 42561R006 0.0055" (0.140 mm) Uncured Rubber with Fiberglass Substrate

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

### Material Notes:

Design/Construction:Side 1: Rubber Side 2: RubberThis 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-42561R006-00055-0140-mm-Uncured-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-42561R006-00055-0140-mm-Uncured-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Thickness	>= 25.4 microns	>= 1.00 mil	Side 1
	38.1 microns	1.50 mil	Polyethylene Interleave
	>= 50.8 microns	>= 2.00 mil	Side 2
	63.5 microns	2.50 mil	Prime Coated 108 Fiberglass (same as 1080 w/two strands plied to make one yarn)
	127 - 165 microns	5.00 - 6.50 mil	Overall

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	>= 550 %	>= 550 %	Compound Property
Peel Strength	>= 0.526 kN/m	>= 3.00 pli	[ppi], 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
Cure Time	15.0 min	0.250 hour	Recommended Cure Cycle
	@Temperature 177 °C	@Temperature 350 °F	

Processing Properties	120 min Metric	2.00 hour English	Comments Recommended Postcure Cycle
	@Temperature 232 °C	@Temperature 450 °F	
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)	4.5 - 5.5	
Uncoated Fabric Break Strength	40 lb/in	Fill Direction, Substrate Property
	70 lb/in	Warp Direction, Substrate Property

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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