

## Arlon 44406X015 0.015" (0.381 mm) Platinum Cured Silicone/Peroxide Catalyzed Silicone

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

### Material Notes:

Design/Construction: Side 1: Platinum Cured Silicone Side 2: Peroxide Catalyzed Silicone Appearance: Gray silicone gum on fiberglass cloth 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-44406X015-0015-0381-mm-Platinum-Cured-SiliconePeroxide-Catalyzed-Silicone.php](http://www.lookpolymers.com/polymer_Arlon-44406X015-0015-0381-mm-Platinum-Cured-SiliconePeroxide-Catalyzed-Silicone.php)

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene Interleave
	102 microns	4.00 mil	Side 1
	127 microns	5.00 mil	Style 1165 Fiberglass, Substrate
	>= 127 microns	>= 5.00 mil	Side 2
	343 - 419 microns	13.5 - 16.5 mil	Overall

Mechanical Properties	Metric	English	Comments
Peel Strength	>= 0.877 kN/m	>= 5.00 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
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
Shelf Life	6.00 Month	6.00 Month	From date of manufacture

Processing Properties	@Temperature 23.9 °C Metric	@Temperature 75.0 °F English	Comments
<b>Descriptive Properties</b>	<b>Value</b>		<b>Comments</b>
Color	Gray		
Total Product Weight (oz/yd2)	15.3 - 18.3		
Uncoated Fabric Break Strength	125 lb/in		Warp Direction, Substrate Property
	160 lb/in		Fill Direction, Substrate Property

## Contact Songhan Plastic Technology Co.,Ltd.

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