

Arlon 28941C015 0.015" (0.381 mm) Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction:Side 1: Uncured Silicone RubberSide 2: Uncured Silicone 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-28941C015-0015-0381-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene Interleave
	>= 88.9 microns	>= 3.50 mil	Side 1
	>= 88.9 microns	>= 3.50 mil	Side 2
	203 microns	8.00 mil	Prime Coated 1528 Fiberglass, Substrate
	330 - 432 microns	13.0 - 17.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 60	50 - 60	Compound Property
Tensile Strength	>= 6.89 MPa	>= 1000 psi	Compound Property
Elongation at Break	>= 450 %	>= 450 %	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	
Flammability, UL94	V-0	V-0	per card E54153

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	
	6.00 Month	6.00 Month	

Shelf Life	Metric	English	From date of manufacture
Processing Properties	@ Temperature 23.9 °C	@ Temperature 75.0 °F	Comments

Descriptive Properties	Value	Comments
Color	Brown	
Total Product Weight (oz/yd2)	15.3 - 18.3	
Uncoated Fabric Break Strength	180 lb/in	Fill Direction, Substrate Property
	225 lb/in	Warp Direction, Substrate Property

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