

Arlon 4570XB025 0.025" (0.635 mm) Uncured Silicone Rubber with Fiberglass Substrate (discontinued **)<

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

Material Notes:

Design/Construction: Interleave: PolyethyleneSide 1: Uncured Silicone Rubber Substrate: Style 1165 Fiberglass 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-4570XB025-0025-0635-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate-nbspdiscontinued-lt.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	63.5 microns	2.50 mil	Interleave
	127 microns	5.00 mil	Substrate; Arlon SQA-TMS-003
	508 microns	20.0 mil	Side 1; Arlon SQA-TMS-003
	635 microns	25.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	Silicone Property; ASTM D2240
Tensile Strength	6.38 MPa	925 psi	Silicone Property; ASTM D412
Elongation at Break	>= 550 %	>= 550 %	Silicone Property; ASTM D412
Peel Strength	3.86 kN/m	22.0 pli	Bond Strength; Arlon SQA-TMS-011

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	29.5 kV/mm	750 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle

Processing Properties	@Temperature 204 °C Metric	@Temperature 400 °F English	Comments
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 149 °C	@Pressure 50.0 psi, Temperature 300 °F	
Shelf Life	6.00 Month	6.00 Month	From date of manufacture
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Gray	
	White	Substrate
Total Product Weight (oz/yd2)	23.8	Arlon SQA-TMS-025

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