

Arlon 56811B025 0.026" (0.660 mm) Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave 1: Polyethylene Side 1: Uncured Silicone Rubber Substrate: 1564 Style Fiberglass Side 2: Uncured Silicone Rubber Interleave 2: Polyethylene Product Use: Hose and Duct Product Appearance: Black silicone gum on fiberglass with polymer liners 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-56811B025-0026-0660-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	63.5 microns	2.50 mil	Interleave 1
	63.5 microns	2.50 mil	Interleave 2
	127 microns	5.00 mil	Side 1; Arlon SQA-TMS-003
	127 microns	5.00 mil	Side 2; Arlon SQA-TMS-003
	406 microns	16.0 mil	Substrate; Arlon SQA-TMS-003
	660 microns	26.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	Silicone Property; ASTM D2240
Tensile Strength	5.52 MPa	800 psi	Silicone Property; ASTM D412
Elongation at Break	300 %	300 %	Silicone Property; ASTM D412
Peel Strength	1.65 kN/m	9.40 pli	(S1 to S2) 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	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	

Processing Properties	Metric 15.0 min	English 0.250 hour	Comments
	@Pressure 0.345 MPa, Temperature 138 °C	@Pressure 50.0 psi, Temperature 280 °F	Recommended Cure Cycle
Shelf Life	6.00 Month @Temperature 21.1 °C	6.00 Month @Temperature 70.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Black	Substrate
	Red	
Total Product Weight (oz/yd2)	27.9	Arlon SQA-TMS-025

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