

Arlon 55273R060 0.060" (1.52 mm) Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction:Side 1: Cured Silicone RubberSide 2: Cured 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-55273R060-0060-152-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	Side 1, Silicone Property; Arlon SQA-TMS-024
	1.35 g/cc	0.0488 lb/in ³	Side 2, Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Polyethylene, Interleave
	457 microns	18.0 mil	Style 162 Fiberglass, Substrate; Arlon SQA-TMS-003
	533 microns	21.0 mil	Side 1; Arlon SQA-TMS-003
	533 microns	21.0 mil	Side 2; Arlon SQA-TMS-003
	1520 microns	60.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	Side 1, Silicone Property; ASTM D2240
	60	60	Side 2, Silicone Property; ASTM D2240
Tensile Strength	5.52 MPa	800 psi	Side 1, Silicone Property; ASTM D412
	6.21 MPa	900 psi	Side 2, Silicone Property; ASTM D412
Elongation at Break	225 %	225 %	Side 1, Silicone Property; ASTM D412
	225 %	225 %	Side 2, Silicone Property; ASTM D412
Tear Strength	15.8 kN/m	90.0 pli	[ppiw], Side 1, Silicone Property; ASTM D624
	15.8 kN/m	90.0 pli	[ppiw], Side 2, Silicone Property; ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
UL RTI, Electrical	220 °C	428 °F	E54153
UL RTI, Mechanical without Impact	220 °C	428 °F	E54153

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.7 kV/mm	400 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min @Temperature 204 °C	2.00 hour @Temperature 400 °F	Recommended Postcure Cycle
Shelf Life	60.0 Month @Temperature 23.9 °C	60.0 Month @Temperature 75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	60	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