

Arlon 51073R031 0.0311" (0.79 mm) Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Interleave: Polyethylene Side 1: Cured Silicone RubberSubstrate: Style 7628 FiberglassSide 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-51073R031-00311-079-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	74.9 microns	2.95 mil	Interleave
	210 microns	8.27 mil	Substrate; Arlon SQA-TMS-003
	290 microns	11.4 mil	Side 1; Arlon SQA-TMS-003
	290 microns	11.4 mil	Side 2; Arlon SQA-TMS-003
	790 microns	31.1 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	43	43	Silicone Property; ASTM D2240
	81	81	Product Property; ASTM D2240
Tensile Strength	7.79 MPa	1130 psi	Silicone Property; ASTM D412
Elongation at Break	854 %	854 %	Silicone Property; ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	300 °C	572 °F	

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	From date of manufacture
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Color	Naturally White	Substrate

Descriptive Properties	Value	Comments
Total Product Weight (g/m2)	891	Arlon SQA-TMS-025

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