

Arlon R36772R008 0.008" (0.203 mm) Fully Cured, Unsupported, Silicone Rubber with Fiberglass Substrate (

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

Material Notes:

Design/Construction:Side 1: Fully Cured, Unsupported, Silicone Rubber This data Represents typical values for the production material. The data should not be used to write, or in place of, material specificationsInformation provided by Arlon, Silicone Technologies Division

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-R36772R008-0008-0203-mm-Fully-Cured-Unsupported-Silicone-Rubber-with-Fiberglass-Substrate-nbsp.php

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in ³	Compound Property; Arlon SQA-TMS-024
Thickness	38.1 microns	1.50 mil	Polyethylene, Interleave
	81.3 microns	3.20 mil	PTFE Coated Fiberglass, Substrate
	203 microns	8.00 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	Compound Property; ASTM D2240
Tensile Strength	5.52 MPa	800 psi	Compound Property; ASTM D412
Tensile Strength, Yield	1.38 MPa	200 psi	Compound Property; Arlon SQA-TMS-008
	@Strain 100 %	@Strain 100 %	
Elongation at Break	350 %	350 %	Compound Property; ASTM D412
Tear Strength	7.89 kN/m	45.0 pli	Die B, Compound 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	

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	From date of manufacture
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Red Value	Comments
Total Product Weight (oz/yd2)	8.1	Arlon SQA-TMS-025

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