

Arlon R37053W007 0.007" (0.178 mm) Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Side 1 Interleave: Polyethylene Side 1: Cured Silicone Rubber Substrate: Style 2133 FiberglassSide 2: Cured Silicone RubberSide 2 Interleave: PolyethyleneThis 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-R37053W007-0007-0178-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	50.8 microns	2.00 mil	Side 2; Arlon SQA-TMS-003
	50.8 microns	2.00 mil	Side 1; Arlon SQA-TMS-003
	76.2 microns	3.00 mil	Side 2 Interleave
	76.2 microns	3.00 mil	Side 1 Interleave
	76.2 microns	3.00 mil	Substrate; Arlon SQA-TMS-003
	178 microns	7.00 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	Silicone Property; ASTM D2240
Tensile Strength	5.52 MPa	800 psi	Silicone Property; ASTM D412
Elongation at Break	225 %	225 %	Silicone Property; ASTM D412
Tear Strength	15.8 kN/m	90.0 pli	Die B, Compound Property; ASTM D624
Peel Strength	0.841 kN/m	4.80 pli	Arlon SQA-TMS-011

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	35.4 kV/mm	900 kV/in	ASTM D149

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
Shelf Life	6.00 Month	6.00 Month	From date of manufacture
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	White	
Total Product Weight (oz/yd2)	8	Arlon SQA-TMS-025

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