

Arlon R34381R014 0.014" (0.356 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: 7628 Style Fiberglass Side 2: Uncured Silicone Rubber Interleave 2: Polyethylene 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-R34381R014-0014-0356-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	38.1 microns	1.50 mil	Interleave 1
	38.1 microns	1.50 mil	Interleave 2
	76.2 microns	3.00 mil	Side 1; Arlon SQA-TMS-003
	76.2 microns	3.00 mil	Side 2; Arlon SQA-TMS-003
	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	356 microns	14.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	Silicone Property; ASTM D2240
Tensile Strength	6.21 MPa	900 psi	Silicone Property; ASTM D412
Elongation at Break	150 %	150 %	Silicone Property; ASTM D412
Peel Strength	1.02 kN/m	5.80 pli	Bond Strength; 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	
Flammability Test	1.0	1.0	[in], Char Length; FTMS 191A, Method 5903
	2.0	2.0	[sec], Flame/Glow; FTMS 191A, Method 5903

Processing Properties	Metric	English	Comments
Cure Time	5.00 min @Pressure 0.345 MPa, Temperature 177 °C	0.0833 hour @Pressure 50.0 psi, Temperature 350 °F	Recommended Cure Cycle
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	15	Arlon SQA-TMS-025

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