

Arlon R36133N062 0.062" (1.57 mm) Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Side 1: Cured Silicone Rubber Substrate: Style 162 Fiberglass Layer 1: Cured Silicone Rubber Interleave: 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-R36133N062-0062-157-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in³	Side 1, Compound; Arlon SQA-TMS-024
Thickness	102 microns	4.00 mil	Side 1; Arlon SQA-TMS-003
	457 microns	18.0 mil	Substrate; Arlon SQA-TMS-003
	1020 microns	40.0 mil	Side 2; Arlon SQA-TMS-003
	1570 microns	62.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	52	52	Side 1, Compound; ASTM D2240
	92	92	Side 2, Compound; ASTM D2240
Tensile Strength	2.41 MPa	350 psi	Side 2, Compound; ASTM D412
	6.14 MPa	890 psi	Side 1, Compound; ASTM D412
Elongation at Break	5.0 %	5.0 %	Side 2, Compound; ASTM D412
	550 %	550 %	Side 1, Compound; ASTM D412
Toughness	7.00 J	5.16 ft-lb	Modified ASTM D412
	2072 J	1528 ft-lb	Modified ASTM D412

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	0.320 J/g-°C	0.0765 BTU/lb-°F	ASTM E 1461-01
Thermal Conductivity	6.50 W/m-K	45.1 BTU-in/hr-ft²-°F	ASTM E 1530 & ASTM E 1461-01

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Naturally Beige Value	Side 2 Comments
	Red	Side 1

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