

## Arlon R37223N008 0.008" (0.203 mm) Cured Silicone Rubber with Fiberglass Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction: Side 1: Cured Silicone Rubber Substrate: Style 1653 Heat Cleaned Fiberglass Scrim Side 2: Cured Silicone Rubber Fiberglass Scrim Weave: Leno 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-R37223N008-0008-0203-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-R37223N008-0008-0203-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	25.4 microns	1.00 mil	Side 1; Arlon SQA-TMS-003
	25.4 microns	1.00 mil	Side 2; Arlon SQA-TMS-003
	152 microns	6.00 mil	Substrate; Arlon SQA-TMS-003
	203 microns	8.00 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	Silicone Property; ASTM D2240
Tensile Strength	8.96 MPa	1300 psi	Silicone Property; ASTM D412
Elongation at Break	700 %	700 %	Silicone Property; ASTM D412
Tear Strength	43.8 kN/m	250 pli	Die B, Silicone 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
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
Shelf Life	12.0 Month	12.0 Month	From date of manufacture
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Carmel Brown	Substrate
	Translucent	Silicone
Total Product Weight (oz/yd2)	1.6	Arlon SQA-TMS-025
Uncoated Fabric Break Strength	40 lb/in	Warp Strength, Arlon SQA-TMS-026
	43 lb/in	Fill Strength, Arlon SQA-TMS-026

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