

## Arlon R37292S018 0.018" (0.457 mm) Cured Silicone Rubber with PTFE Coated Fiberglass Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction: Interleave: PolyethyleneSide 1: Cured Silicone RubberCarrier: PTFE Coated FiberglassThis 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-R37292S018-0018-0457-mm-Cured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-R37292S018-0018-0457-mm-Cured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	457 microns	18.0 mil	Overall; Arlon SQA-TMS-003
	457 microns	18.0 mil	Side 1; Arlon SQA-TMS-003
	457 microns	18.0 mil	Interleave

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	Silicone Property; ASTM D2240
Tensile Strength	8.62 MPa	1250 psi	Silicone Property; ASTM D412
Elongation at Break	800 %	800 %	Silicone Property; ASTM D412
Tear Strength	38.6 kN/m	220 pli	Die B, Silicone Property; ASTM D624
Compression Set	19 %	19 %	Arlon SQA-TMS-017

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	50.20 kV/mm	1275 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle

Processing Properties	@Temperature 204 °C Metric	@Temperature 400 °F English	Comments
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 121 °C	@Pressure 50.0 psi, Temperature 250 °F	
Shelf Life	60.0 Month	60.0 Month	From date of manufacture
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Saddle Brown	
Total Product Weight (oz/yd2)	15.1	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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