

## Arlon 32570R040 0.040" (1.02 mm) Uncured Silicone Rubber with Fiberglass Carrier

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

### Material Notes:

Design/Construction: Interleave: PolyethyleneSide 1: Uncured 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-32570R040-0040-102-mm-Uncured-Silicone-Rubber-with-Fiberglass-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-32570R040-0040-102-mm-Uncured-Silicone-Rubber-with-Fiberglass-Carrier.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Interleave
	127 microns	5.00 mil	Carrier; Arlon SQA-TMS-003
	1020 microns	40.0 mil	Overall; Arlon SQA-TMS-003
	1020 microns	40.0 mil	Side 1; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	36	36	Silicone Property; ASTM D2240
Tensile Strength	6.38 MPa	925 psi	Silicone Property; ASTM D412
Elongation at Break	550 %	550 %	Silicone Property; ASTM D412
Tear Strength	14.5 kN/m	83.0 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	
UL RTI, Electrical	220 °C	428 °F	E54153
UL RTI, Mechanical without Impact	220 °C	428 °F	E54153

Electrical Properties	Metric	English	Comments
Dielectric Strength	32.1 kV/mm	815 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
Shelf Life	6.00 Month	6.00 Month	From date of manufacture
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Light Brown	Carrier
	Red	
Total Product Weight (oz/yd2)	37.9	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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