

## Arlon 55576R060 0.060" Cured/Uncured Silicone Rubber with Fiberglass Substrate

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

### Material Notes:

Design/Construction:Side 1: Cured Silicone RubberSubstrate: Style 162 FiberglassSide 2: Uncured Silicone RubberInterleave: 3 mil PET  
This data represents typical values for the production material and should not be used as material specifications.Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-55576R060-0060-CuredUncured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-55576R060-0060-CuredUncured-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	Side 2 Silicone Property; Arlon SQA-TMS-024
	1.35 g/cc	0.0488 lb/in <sup>3</sup>	Side 1 Silicone Property; 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
	965 microns	38.0 mil	Side 2; Arlon SQA-TMS-003
	1520 microns	60.0 mil	Overall Thickness; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	44	44	Side 2 Silicone Property; ASTM D2240
	52	52	Side 1 Silicone Property; ASTM D2240
Tensile Strength	6.14 MPa	890 psi	Side 1 Silicone Property; ASTM D412
	7.58 MPa	1100 psi	Side 2 Silicone Property; ASTM D412
Elongation at Break	550 %	550 %	Side 1 Silicone Property; ASTM D412
	650 %	650 %	Side 2 Silicone Property; ASTM D412
Peel Strength	5.47 kN/m	31.2 pli	Bond Strength; Arlon SQA-TMS-011

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	25.1 kV/mm	638 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	Recommended Post Cure 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	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	60.1	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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