

## Arlon P29514R020 0.0205" (0.521 mm) Semi-Cured Silicone Rubber with Fiberglass Substrate

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

### Material Notes:

Design/Construction: Side 1: Cured Self-Fusing Silicone RubberSubstrate: 7727 Style FiberglassAppearance: Red silicone rubber on fiberglass fabric.This data represents typical values for the production material. The data should not be used to write, or in place of, material specificationsInformation provided by Arlon, Silicone Technologies Division

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-P29514R020-00205-0521-mm-Semi-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-P29514R020-00205-0521-mm-Semi-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	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	318 microns	12.5 mil	Side 1; Arlon SQA-TMS-003
	521 microns	20.5 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	47	47	Silicone Property; ASTM D2240
Tensile Strength	5.17 MPa	750 psi	Silicone Property; ASTM D412
Elongation at Break	450 %	450 %	Silicone Property; ASTM D412
Peel Strength	2.02 kN/m	11.5 pli	Bond Strength; 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	

Electrical Properties	Metric	English	Comments
Dielectric Strength	24.8 kV/mm	630 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	

Processing Properties	Metric	English	Recommended Cure Cycle Comments
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
Shelf Life	3.00 Month @Temperature 23.9 °C	3.00 Month @Temperature 75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	23.9	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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