

## Arlon 10502R020 0.020" (0.508 mm) Cured Silicone Rubber (Unsupported)

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction:Material: Cured Silicone RubberLiner: Polyethylene Recommended Cure Cycle: Product delivered curedRecommended Post Cure Cycle: Product delivered post-curedAppearance: Red silicone rubberThis 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-10502R020-0020-0508-mm-Cured-Silicone-Rubber-Unsupported.php](http://www.lookpolymers.com/polymer_Arlon-10502R020-0020-0508-mm-Cured-Silicone-Rubber-Unsupported.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Liner
	508 microns	20.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	53	53	Silicone Property; ASTM D2240
Tensile Strength	9.31 MPa	1350 psi	Silicone Property; ASTM D412
Elongation at Break	800 %	800 %	Silicone Property; ASTM D412
Tear Strength	>= 33.3 kN/m	>= 190 pli	Silicone Property; ASTM D624
Compression Set	20 %	20 %	Silicone Property; 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	43.3 kV/mm	1100 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	From date of manufacture

Descriptive Properties	Value	Comments
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Total Product Weight (oz/yd2) Descriptive Properties	23 Value	Arton SQA-TMS-025 Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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