

## Arlon 0.020" (0.508 mm) Layer-on-Layer Silicone Traction Motor Insulation (P29609R020)

Category : Polymer , Thermoset , Silicone

**Material Notes:**

0.010 in. (0.25 mm) minimum uncured silicone on 0.002 in. (0.5 mm) minimum cured silicone on 0.008 in. (0.2 mm) nominal Prime Coated 7628 Fiberglass; 0.0015 in. (0.038 mm) polyethylene interleave; overall thickness 0.020 in  $\pm$  0.001 (0.51 mm  $\pm$  0.03). The shelf life is defined as the duration of time for which the product will meet the physical requirements outlined below. It does not guarantee the product's usefulness in all applications. Color: Red. Weight: 627.3 g/m<sup>2</sup>  $\pm$  67.8 (18.5 oz./yd.<sup>2</sup>  $\pm$  2.0). Shelf Life: 6 months from date of manufacture at 23.8°C (75°F). Cure Time: 0.25 hours. Post Cure: 204°C (400°F), for 2 hours. Information provided by the manufacturer, Arlon Silicone Technologies Division.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-0020-0508-mm-Layer-on-Layer-Silicone-Traction-Motor-Insulation-P29609R020.php](http://www.lookpolymers.com/polymer_Arlon-0020-0508-mm-Layer-on-Layer-Silicone-Traction-Motor-Insulation-P29609R020.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55 - 65	55 - 65	
Tensile Strength, Ultimate	$\geq$ 6.20 MPa	$\geq$ 899 psi	
Elongation at Break	$\geq$ 200 %	$\geq$ 200 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
Minimum Service Temperature, Air	-56.6 °C	-69.9 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	$\geq$ 15.75 kV/mm	$\geq$ 400.0 kV/in	

Processing Properties	Metric	English	Comments
Processing Temperature	176.6 °C	349.9 °F	curing temp., at 0.345 MPa (50 psi)

### Contact Songhan Plastic Technology Co.,Ltd.

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