

Arlon 0.011" (0.2794 mm) Uncured Silicone Traction Motor Insulation (P29600R011)

Category : Polymer , Thermoset , Silicone

Material Notes:

0.006 in., +0.002, -0.001 (0.2 mm, +0.05, -0.03) uncured silicone on 0.005 in. (0.08 mm) nominal PTFE coated fiberglass; 0.0015 in. (0.038 mm) polyethylene interleave; overall thickness 0.011 in \pm 0.001 (0.3 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: 381.4 g/m² \pm 33.9 (11.25 oz./yd.² \pm 1.0). 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-0011-02794-mm-Uncured-Silicone-Traction-Motor-Insulation-P29600R011.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 17.0 kV/mm	\geq 432 kV/in	

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

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