

## Arlon 0.008" (0.2032 mm) Thermabond®-45 Uncured Silicone (99720W008)

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Elastomer, for Thermal Management

### Material Notes:

0.008 in., +0.000, -0.002(0.2 mm, +0.00, -0.05) uncured silicone on 0.003 in. (0.08 mm) nominal PTFE coated fiberglass; 0.001 in. (0.03 mm) FEP interleave; overall thickness 0.008 in +0.000, -0.002(0.2 mm, +0.00, -0.05). 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: White. Weight: 525.5 g/m<sup>2</sup> ± 50.9 (15.5 oz./yd.<sup>2</sup> ± 1.5). Shelf Life: 3 months from date of manufacture at 4.4°C ± 2.8°C (40°F ± 5°F). Maximum Thermal Impendence is 0.2°C/W. Information provided by the manufacturer, Arlon Silicone Technologies Division.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-0008-02032-mm-Thermabond-45-Uncured-Silicone-99720W008.php](http://www.lookpolymers.com/polymer_Arlon-0008-02032-mm-Thermabond-45-Uncured-Silicone-99720W008.php)

Mechanical Properties	Metric	English	Comments
Shear Modulus	0.000350 - 0.000450 GPa	0.0508 - 0.0653 ksi	
Adhesive Bond Strength	>= 1.40 MPa	>= 203 psi	lap shear strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	>= 1.20 W/m-K	>= 8.33 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.6 °C	-69.9 °F	

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

Processing Properties	Metric	English	Comments
Processing Temperature	138 °C	280 °F	curing temp.

## Contact Songhan Plastic Technology Co.,Ltd.

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