

## Arlon 0.027" (0.6858 mm) Flexible Heater Silicone with Fiberglass Substrate (56586R028)

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Silicone

### Material Notes:

Side one - uncured silicone, 0.003 in. (0.08 mm) minimum; Substrate - Prime Coated 162 Fiberglass, 0.019 in. (0.48 mm) nominal; Side two - cured silicone, 0.005 in. (0.1 mm) minimum; 0.003 in. (0.08 mm) polyethylene interleave; overall thickness 0.027 in + 0.002, -0.001 (0.69 mm + 0.05, -0.03). Color: Red. Weight: 1051 g/m<sup>2</sup> ± 102 (31.0 oz./yd.<sup>2</sup> ± 3.0). Shelf Life: 6 months from date of manufacture at 23.8°C (75°F). 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. 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-0027-06858-mm-Flexible-Heater-Silicone-with-Fiberglass-Substrate-56586R028.php](http://www.lookpolymers.com/polymer_Arlon-0027-06858-mm-Flexible-Heater-Silicone-with-Fiberglass-Substrate-56586R028.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 50	40 - 50	
Tensile Strength, Ultimate	5.58 - 6.82 MPa	809 - 989 psi	
Elongation at Break	540 - 660 %	540 - 660 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	per UL Card E54153
	232 °C	450 °F	
Minimum Service Temperature, Air	-56.6 °C	-69.9 °F	
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.75 kV/mm	>= 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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China