

## Arlon Ultrapad™ 55072R125D 0.125" (3.17 mm) Cured Silicone Rubber with Fiberglass Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber , Silicone, Molded, Glass Fiber Filled

### Material Notes:

**Description:** Ultrapad™ Silicone-based press pad. Arlon UltraPad press pad is a high performance, fiberglass reinforced, silicone sheet designed for flex and rigid-flex circuitry lamination. UltraPad press pad provides excellent pressure uniformity with good consistency and longevity throughout its service life. UltraPad press pads are the most cost effective press pad solution across a wide range of process pressures and temperatures.  
**Design/Construction:** Interleave: Polyethylene Side 1: Cured Silicone Rubber Substrate: Style 162 Fiberglass  
**Advantages:** Consistent, reliable service life - predictable changeover schedule, higher yield (no lost loads) Uniform pressure over the entire laminate surface - higher yield, better quality laminate Available in softer low durometer variants - lower durometer > better pressure uniformity  
 This 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-Ultrapad-55072R125D-0125-317-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-Ultrapad-55072R125D-0125-317-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	63.5 microns	2.50 mil	Interleave
	406 microns	16.0 mil	Substrate; Arlon SQA-TMS-003
	2770 microns	109 mil	Side 1; Arlon SQA-TMS-003
	3180 microns	125 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	43	43	Product Property; ASTM D2240
Tensile Strength	7.79 MPa	1130 psi	Silicone Property; ASTM D412
Elongation at Break	854 %	854 %	Silicone Property; ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	300 °C	572 °F	

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	From date of manufacture
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Color	Red	
	Red	Substrate
Recommended Application Pressure	0 - 5 Mpa	
Service Life	(225°C and 2.07MPa)	
Total Product Weight (oz/yd2)	105	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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