

Arlon Ultrapad™ D 65 (55073R062) 0.0622 (1.58 mm) Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Description: Ultrapad™ D65 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 RubberSubstrate: Style 162 FiberglassSide 2: Cured Silicone Rubber
Advantages: Consistent, reliable service life - predictable changeover schedule, higher yield (no lost loads)Uniform pressure over the entire laminate surface - higher yield, better quality laminateAvailable in softer low durometer variants - lower durometer > better pressure uniformity
Product Use: Press Pad
Appearance: Red silicone rubber on fiberglass cloth
 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-D-65-55073R062-00622-158-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	74.9 microns	2.95 mil	Interleave
	480 microns	18.9 mil	Substrate; Arlon SQA-TMS-003
	551 microns	21.7 mil	Side 1; Arlon SQA-TMS-003
	551 microns	21.7 mil	Side 2; Arlon SQA-TMS-003
	1580 microns	62.2 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	43	43	Silicone Property; ASTM D2240
	65	65	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 @Temperature 23.0 °C	60.0 Month @Temperature 73.4 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Naturally White	Substrate
	Red	
Recommended Application Pressure	0 - 5 Mpa	
Service Life	(200°C and 2.07MPa)	
	(225°C and 2.07MPa)	
	(250°C and 2.07MPa)	
Total Product Weight (g/m2)	1605	Arlon SQA-TMS-025

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