

## Arlon 55572XD028 0.028" (0.711 mm) Cured Silicone Rubber

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

### Material Notes:

Design/Construction:Side 1: Cured Silicone RubberSubstrate: Style 162 Fiberglass 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-55572XD028-0028-0711-mm-Cured-Silicone-Rubber.php](http://www.lookpolymers.com/polymer_Arlon-55572XD028-0028-0711-mm-Cured-Silicone-Rubber.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	254 microns	10.0 mil	Side 1; Arlon SQA-TMS-003
	457 microns	18.0 mil	Style 162 Fiberglass, Substrate; Arlon SQA-TMS-003
	711 microns	28.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	44	44	Silicone Property; ASTM D2240
Tensile Strength	7.58 MPa	1100 psi	Silicone Property; ASTM D412
Elongation at Break	650 %	650 %	Silicone Property; ASTM D412
Tear Strength	14.5 kN/m	83.0 pli	[ppiw], Die B, Silicone Property; ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
UL RTI, Electrical	220 °C	428 °F	E54153
UL RTI, Mechanical without Impact	200 °C	392 °F	E54153

Electrical Properties	Metric	English	Comments
Dielectric Strength	25.5 kV/mm	647 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle

Processing Properties	Metric	English	Comments
Shelf Life	6.00 Month @Temperature 204 °C	6.00 Month @Temperature 400 °F	From date of manufacture
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Dark Gray	
Total Product Weight (oz/yd2)	27.3	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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