

Arlon R36613N022 0.022" (0.559 mm) Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Side 1: Cured Silicone Rubber Substrate: Style 7628 Heat Cleaned FiberglassSide 2: Cured Silicone RubberSide 2

Interleave: PolyethyleneFiberglas Weave: PlainThis 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-R36613N022-0022-0559-mm-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Side 2 Interleave
	102 microns	4.00 mil	Side 1; Arlon SQA-TMS-003
	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	254 microns	10.0 mil	Side 2; Arlon SQA-TMS-003
	559 microns	22.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	Silicone Property; ASTM D2240
Tensile Strength	8.96 MPa	1300 psi	Silicone Property; ASTM D412
Elongation at Break	700 %	700 %	Silicone Property; ASTM D412
Tear Strength	43.8 kN/m	250 pli	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	

Processing Properties	Metric	English	Comments
Cure Time	120 min @Temperature 204 °C	2.00 hour @Temperature 400 °F	Recommended Postcure Cycle
Shelf Life	12.0 Month	12.0 Month	From date of manufacture

Processing Properties	@Temperature 23.9 °C Metric	@Temperature 75.0 °F English	Comments
Descriptive Properties	Value	Comments	
Color	Carmel Brown	Fiberglass	
	Translucent	Silicone	
Total Product Weight (oz/yd2)	21	Arlon SQA-TMS-025	
Uncoated Fabric Break Strength	160 lb/in	Fill Strength, Arlon SQA-TMS-026	
	200 lb/in	Warp Strength, Arlon SQA-TMS-026	

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