

Arlon A3020-B004-12 Silicone Rubber/Fiberglass Laminate (discontinued **)

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber , Silicone, Molded, Glass Fiber Filled

Material Notes:

Side 1: cured fusible silicone rubber; Substrate: 25% sinusoidal fiberglass; Side 2: cured fusible silicone rubber; Interleave: 1 mil PE film

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-A3020-B004-12-Silicone-RubberFiberglass-Laminate-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	silicone property; Arlon SQA-TMS-024
Thickness	152 microns	6.00 mil	side 1; Arlon SQA-TMS-003
	152 microns	6.00 mil	side 2; Arlon SQA-TMS-003
	203 microns	8.00 mil	substrate; Arlon SQA-TMS-003
	508 microns	20.0 mil	overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	silicone property; ASTM D2240
Tensile Strength at Break	0.414 MPa	60.0 psi	ASTM D624
Tensile Strength, Ultimate	8.27 MPa	1200 psi	silicone property; ASTM D412
Elongation at Break	415 %	415 %	silicone property; ASTM D412
Elongation at Yield	31 %	31 %	ASTM D412
Adhesive Bond Strength	0.0414 MPa	6.00 psi	Arlon SQA-TMS-047
Tear Strength	15.8 kN/m	90.0 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	

Electrical Properties	Metric	English	Comments
Dielectric Strength	28.1 kV/mm	715 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
	12.0 Month	12.0 Month	

Shelf Life	Metric	English	Comments
Processing Properties	@ Temperature 23.9 °C	@ Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Black	

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