

Arlon 53423R032 Silicone Rubber/Fiberglass Laminate

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

Material Notes:

Interleave: 3 mil PE; Side 1: cured silicone rubber; Substrate: 2523 fiberglass; Side 2: cured silicone rubber

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-53423R032-Silicone-RubberFiberglass-Laminate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	silicone property; Arlon SQA-TMS-024
Thickness	229 microns	9.00 mil	side 1; Arlon SQA-TMS-003
	229 microns	9.00 mil	side 2; Arlon SQA-TMS-003
	356 microns	14.0 mil	substrate; Arlon SQA-TMS-003
	813 microns	32.0 mil	overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	silicone property; ASTM D2240
Tensile Strength, Ultimate	6.21 MPa	900 psi	silicone property; ASTM D412
Elongation at Break	350 %	350 %	silicone property; ASTM D412
Tear Strength	44.5 kN/m	254 pli	Fill; Arlon SQA-TMS-026
	51.9 kN/m	296 pli	Warp; Arlon SQA-TMS-026

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	28.0 kV/mm	712 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 204 °C	@Temperature 400 °F	
Shelf Life	60.0 Month	60.0 Month	

Processing Properties	@Temperature 21.1 °C Metric	@Temperature 70.0 °F English	Comments
Descriptive Properties	Value		Comments
Color	Red		

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