

Arlon 55143R060 Silicone Rubber/Fiberglass Laminate

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

Material Notes:

Interleave: 3 mil PE; Side 2: cured silicone rubber; Substrate: 162 fiberglass; Side 1: cured silicone rubber

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-55143R060-Silicone-RubberFiberglass-Laminate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	silicone property; Arlon SQA-TMS-024
Thickness	457 microns	18.0 mil	substrate; Arlon SQA-TMS-003
	533 microns	21.0 mil	side 1; Arlon SQA-TMS-003
	533 microns	21.0 mil	side 2; Arlon SQA-TMS-003
	1520 microns	60.0 mil	overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	silicone property; ASTM D2240
Tensile Strength, Ultimate	5.52 MPa	800 psi	silicone property; ASTM D412
Elongation at Break	225 %	225 %	silicone property; ASTM D412
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	
UL RTI, Electrical	200 °C	392 °F	
UL RTI, Mechanical without Impact	200 °C	392 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.7 kV/mm	400 kV/in	ASTM D149

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

Processing Properties	60.0 Month Metric	60.0 Month English	Comments
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	

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