

Arlon 55096R028 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: uncured silicone rubber

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-55096R028-Silicone-RubberFiberglass-Laminate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	silicone property; Arlon SQA-TMS-024
Thickness	102 microns	4.00 mil	side 1; Arlon SQA-TMS-003
	165 microns	6.50 mil	side 2; Arlon SQA-TMS-003
	483 microns	19.0 mil	substrate; Arlon SQA-TMS-003
	749 microns	29.5 mil	overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	silicone property; ASTM D2240
Tensile Strength, Ultimate	5.69 MPa	825 psi	silicone property; ASTM D412
Elongation at Break	725 %	725 %	silicone property; ASTM D412
Adhesive Bond Strength	0.0765 MPa	11.1 psi	Arlon SQA-TMS-011
Tear Strength	28.6 kN/m	163 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	23.0 kV/mm	585 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	

Processing Properties	Metric @Pressure 0.345 MPa, Temperature 121 °C	English @Pressure 50.0 psi, Temperature 250 °F	Comments
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Flame and Glow Resistance (seconds)	14400	FAR 25.853 App. F Pt. 1 Sec. A1ii

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China