

Arlon 51756R028 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: 7628 fiberglass; Side 2: uncured silicone rubber

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-51756R028-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
	203 microns	8.00 mil	substrate; Arlon SQA-TMS-003
	406 microns	16.0 mil	side 2; Arlon SQA-TMS-003
	711 microns	28.0 mil	overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	silicone property; ASTM D2240
Tensile Strength, Ultimate	5.86 MPa	850 psi	silicone property; ASTM D412
Elongation at Break	450 %	450 %	silicone property; ASTM D412
Adhesive Bond Strength	0.0772 MPa	11.2 psi	Arlon SQA-TMS-011
Tear Strength	12.3 kN/m	70.0 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	23.6 kV/mm	600 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 218 °C	@Temperature 425 °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	

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