

Arlon R37881R015 Silicone Rubber/Fiberglass

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

Material Notes:

Interleave: 1.5 mil PE; Side 1: uncured silicone rubber; Substrate: 1528 fiberglass; Side 2: uncured silicone rubber; Interleave: 1.5 mil PE

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-R37881R015-Silicone-RubberFiberglass.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
	102 microns	4.00 mil	side 2; Arlon SQA-TMS-003
	178 microns	7.00 mil	substrate; Arlon SQA-TMS-003
	381 microns	15.0 mil	overall; Arlon SQA-TMS-003
Outgassing - Total Mass Loss	0.34 %	0.34 %	post cure; ASTM E 595
	1.07 %	1.07 %	no post cure; ASTM E 595

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	0.0621 MPa	9.00 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	27.6 kV/mm	700 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
	120 min	2.00 hour	

Cure Time Processing Properties	Metric @ Temperature 218 °C	English @ Temperature 425 °F	Comments
	15.0 min	0.250 hour	
	@Pressure 0.345 MPa, Temperature 121 °C	@Pressure 50.0 psi, Temperature 250 °F	
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Outgassing - CVCM (%) ASTM E595	0.1	post cure
	0.28	no post cure

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