

Arlon 23234R025 0.025" (0.635 mm) Semi-Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction:Side 1: Semi-Cured Silicone Rubber This data represents typical values for the production material. The data should not be used to write, or in place of, material specifications. Information provided by Arlon, Silicone Technologies Division

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-23234R025-0025-0635-mm-Semi-Cured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	>= 254 microns	>= 10.0 mil	Side 1
	>= 381 microns	>= 15.0 mil	Prime Coated 1523 Fiberglass, Substrate
	635 - 686 microns	25.0 - 27.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60 - 70	60 - 70	Compound Property
Tensile Strength	6.21 - 7.58 MPa	900 - 1100 psi	Compound Property
Elongation at Break	225 - 275 %	225 - 275 %	Compound Property
Peel Strength	>= 1.67 kN/m	>= 9.50 pli	Bond Strength

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	>= 7.87 kV/mm	>= 200 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
	6.00 Month	6.00 Month	

Shelf Life	Metric	English	From date of manufacture
Processing Properties	@ Temperature 23.9 °C	@ Temperature 75.0 °F	Comments

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	24.8 - 27.8	
Uncoated Fabric Break Strength	300 lb/in	Fill Direction, Substrate Property
	450 lb/in	Warp Direction, Substrate Property

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