

Arlon R31246R060 0.060" (1.52 mm) Uncured/Cured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction:Side 1: Cured Rubber LayerSide 2: Uncured Rubber Layer 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-R31246R060-0060-152-mm-UncuredCured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene, Interleave
	356 microns	14.0 mil	Prime Coated 2523 Fiberglass, Substrate
	>= 508 microns	>= 20.0 mil	Side 2
	>= 660 microns	>= 26.0 mil	Side 1
	1370 - 1680 microns	54.0 - 66.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60 - 70	60 - 70	Compound Property
Peel Strength	>= 0.877 kN/m	>= 5.00 pli	Bond Strength
Compression Set	25 %	25 %	Compound Property

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	>= 15.7 kV/mm	>= 400 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	

Processing Properties	Metric	English	Recommended Cure Cycle Comments
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
Shelf Life	6.00 Month @Temperature 21.1 °C	6.00 Month @Temperature 70.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Uncoated Fabric Break Strength	350 lb/in	Fill Direction, Substrate Property
	400 lb/in	Warp Direction, Substrate Property

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