

Arlon 55531R060 0.061" (1.55 mm) Uncured Silicone Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction: Side 1: Uncured Silicone Rubber Side 2: Uncured Silicone Rubber Appearance: Red silicone gum on fiberglass cloth 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-55531R060-0061-155-mm-Uncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene, Interleave
	457 microns	18.0 mil	Prime Coated 162 Fiberglass, Substrate
	>= 533 microns	>= 21.0 mil	Side 1
	>= 533 microns	>= 21.0 mil	Side 2
	1400 - 1650 microns	55.0 - 65.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 60	50 - 60	Compound Property
Tensile Strength	6.41 - 7.38 MPa	930 - 1070 psi	Compound Property
Elongation at Break	470 - 530 %	470 - 530 %	Compound Property
Tear Strength	>= 35.1 kN/m	>= 200 pli	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	Recommended Cure Cycle
	@Temperature 177 °C	@Temperature 350 °F	
	30.0 min	0.500 hour	Ramp to Temp; then hold for 4 hours, Recommended Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
Shelf Life	6.00 Month	6.00 Month	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	47.5 - 52.5	

Descriptive Properties	Value	Comments
Uncoated Fabric Break Strength	420 lb/in	Fill Direction, Substrate Property
	700 lb/in	Warp Direction, Substrate Property

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