

Arlon R33216R020 0.020" (0.508 mm) Uncured/Cured Silicone Rubber

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

Material Notes:

Design/Construction:Side 1: Cured Silicone RubberSide 2: Cured/Uncured 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-R33216R020-0020-0508-mm-UncuredCured-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene, Interleave
	191 microns	7.50 mil	1564 Fiberglass, Substrate
	254 - 292 microns	10.0 - 11.5 mil	Side 2, Skim Coat + Uncured
	457 - 559 microns	18.0 - 22.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	35 - 45	35 - 45	Compound Property
Tensile Strength	>= 6.21 MPa	>= 900 psi	Compound Property
Elongation at Break	>= 400 %	>= 400 %	Compound Property
Peel Strength	>= 1.05 kN/m	>= 6.00 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	>= 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	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	

Processing Properties	Metric _{Unit}	English _{Unit}	Comments
Shelf Life	@Temperature 21.1 °C	@Temperature 70.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd ²)	16.6 - 20.2	
Uncoated Fabric Break Strength	200 lb/in	Fill Direction, Substrate Property
	250 lb/in	Warp Direction, Substrate Property

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