

Arlon R31310R012 Uncured Rubber with Fiberglass Substrate

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

Material Notes:

Design/Construction:Side 1: Aluminized PET FilmSide 2: Uncured 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-R31310R012-Uncured-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Side 1
	38.1 microns	1.50 mil	Polyethylene, Interleave
	>= 102 microns	>= 4.00 mil	Side 2
	178 microns	7.00 mil	Prime Coated 1628 Fiberglass, Substrate

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 50	40 - 50	Compound Property
Tensile Strength	5.58 - 6.83 MPa	810 - 990 psi	Compound Property
Elongation at Break	450 - 550 %	450 - 550 %	Compound Property
Peel Strength	>= 0.877 kN/m	>= 5.00 pli	Bond Strength (Rubber to Rubber)
	>= 0.877 kN/m	>= 5.00 pli	Bond Strength (Rubber to Polyester)

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	400 °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	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	

Descriptive Properties	Value	Comments
Color	Red	Side 2
	Silver	Side 1
Total Product Weight (oz/yd2)	12 - 14	
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