

## Arlon R33670N004 0.004" (0.102 mm) Uncured Silicone Rubber with K2030 PEN Film Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction:Side 1: 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-R33670N004-0004-0102-mm-Uncured-Silicone-Rubber-with-K2030-PEN-Film-Substrate.php](http://www.lookpolymers.com/polymer_Arlon-R33670N004-0004-0102-mm-Uncured-Silicone-Rubber-with-K2030-PEN-Film-Substrate.php)

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Interleave: Release liner to be determined (Temporarily FEP Film)
	50.8 microns	2.00 mil	K2030 PEN Film, Substrate
	25.4 - 76.2 microns	1.00 - 3.00 mil	Side 1
	76.2 - 127 microns	3.00 - 5.00 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 50	40 - 50	Compound Property
Tensile Strength	>= 6.89 MPa	>= 1000 psi	Compound Property
Elongation at Break	>= 600 %	>= 600 %	Compound Property
Peel Strength	>= 0.351 kN/m	>= 2.00 pli	Bond Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	160 °C	320 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	5.00 min	0.0833 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 138 °C	@Pressure 50.0 psi, Temperature 280 °F	
	3.00 Month	3.00 Month	

Shelf Life	Metric	English	From date of manufacture
Processing Properties	@ Temperature 4.44 °C	@ Temperature 40.0 °F	Comments

Descriptive Properties	Value	Comments
Color	Natural	
Total Product Weight (oz/yd2)	3 - 4.8	
Uncoated Fabric Break Strength	31900 lb/in	Warp Direction, Substrate Property
	31900 lb/in	Fill Direction, Substrate Property

## Contact Songhan Plastic Technology Co.,Ltd.

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