

## Arlon 41580R020 0.020" Uncured, Unsupported Silicone Rubber on Release Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction: Interleave: 0.003" Polyethylene Side 1: Uncured, Unsupported Silicone Rubber Substrate: Holland Cloth Carrier  
This data represents typical values for the production material and should not be used as material specifications. Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-41580R020-0020-Uncured-Unsupported-Silicone-Rubber-on-Release-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-41580R020-0020-Uncured-Unsupported-Silicone-Rubber-on-Release-Carrier.php)

Physical Properties	Metric	English	Comments
Thickness	127 microns	5.00 mil	Substrate
	508 microns	20.0 mil	Silicone

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	Silicone Property
Tensile Strength	6.21 MPa	900 psi	Silicone Property
Elongation at Break	600 %	600 %	Silicone Property
Peel Strength	>= 1.05 kN/m	>= 6.00 pli	Bond Strength

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability, UL94	HB	HB	E54153; 200°C

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 Post Cure 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	6.00 Month Metric	6.00 Month English	Comments
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	17.9	

## Contact Songhan Plastic Technology Co.,Ltd.

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