

## Arlon 31570R025 0.025" (0.635 mm) Uncured Unsupported Silicone on a HDPE Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction:Side 1: Uncured Unsupported Silicone Rubber on a HDPE CarrierAppearance: Red silicone gum on polymer linerThis 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-31570R025-0025-0635-mm-Uncured-Unsupported-Silicone-on-a-HDPE-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-31570R025-0025-0635-mm-Uncured-Unsupported-Silicone-on-a-HDPE-Carrier.php)

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene Interleave
	584 - 686 microns	23.0 - 27.0 mil	Overall
	584 - 686 microns	23.0 - 27.0 mil	Side 1

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 50	40 - 50	Compound Property
Tensile Strength	>= 5.52 MPa	>= 800 psi	Compound Property
Elongation at Break	>= 500 %	>= 500 %	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	
UL RTI, Electrical	220 °C	428 °F	per UL Card E54153
UL RTI, Mechanical without Impact	200 °C	392 °F	per UL Card E54153
Flammability, UL94	HB	HB	

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

Processing Properties	@Temperature 204 °C Metric	@Temperature 400 °F English	Comments
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
Shelf Life	6.00 Month	6.00 Month	From date of manufacture
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	24.4 - 28.4	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China