

## Arlon 30090R022 0.022" (0.559 mm) Uncured Unsupported Silicone Rubber on Kodacel Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction:Side 1: Uncured Unsupported Silicone Rubber on Kodacel Carrier Appearance: Red silicone gum on polymer liner  
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-30090R022-0022-0559-mm-Uncured-Unsupported-Silicone-Rubber-on-Kodacel-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-30090R022-0022-0559-mm-Uncured-Unsupported-Silicone-Rubber-on-Kodacel-Carrier.php)

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene Interleave
	127 microns	5.00 mil	Kodacel Substrate
	508 - 610 microns	20.0 - 24.0 mil	Overall
	508 - 610 microns	20.0 - 24.0 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	
Flammability Test	6.0	6.0	[in], Char Length; FAR 25.853, Appendix F, Part 1, Section A.1.ii
	15	15	[sec], Flame Time; FAR 25.853, Appendix F, Part 1, Section A.1.ii

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

Processing Properties	Metric	English	Comments
	120 min	2.00 hour	

<b>Cure Time</b> Processing Properties	<b>Metric</b> @ Temperature 204 °C	<b>English</b> @ Temperature 400 °F	<b>Recommended Postcure Cycle</b> 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	

<b>Descriptive Properties</b>	<b>Value</b>	<b>Comments</b>
Color	Red	
Total Product Weight (oz/yd2)	22.9 - 26.9	

## Contact Songhan Plastic Technology Co.,Ltd.

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