

Arlon 30400R040 0.04" Uncured, Unsupported Silicone Rubber on Release Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Side 1: Uncured, Unsupported Silicone Rubber Substrate: Kodacel Carrier Interleave: 0.003" Polyethylene 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-30400R040-004-Uncured-Unsupported-Silicone-Rubber-on-Release-Carrier.php

Physical Properties	Metric	English	Comments
Thickness	127 microns	5.00 mil	Substrate
	1020 microns	40.0 mil	Rubber

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone Property
Tensile Strength	6.21 - 7.58 MPa	900 - 1100 psi	Silicone Property
Elongation at Break	450 - 550 %	450 - 550 %	Silicone Property
Tear Strength	>= 35.1 kN/m	>= 200 pli	Silicone Property
Compression Set	<= 28 %	<= 28 %	After Post-cure; Silicone Property

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	232 °C	450 °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	30.0 min	0.500 hour	Recommended Cure Cycle
	@Temperature 177 °C	@Temperature 350 °F	
	240 min	4.00 hour	Recommended Post Cure Cycle - After 30 minute ramp up cycle
	@Temperature 204 °C	@Temperature 400 °F	

Processing Properties	3.00 Month Metric	3.00 Month English	Comments
	@Temperature 4.44 °C	@Temperature 40.0 °F	

Descriptive Properties	Value	Comments
Color	Clear	Kodacel
	Red	Silicone
Total Product Weight (oz/yd2)	69	

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