

Arlon 30400N125 0.125" (3.17 mm) Uncured, Unsupported Silicone Rubber on a Kodacel Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction:Side 1: Uncured Unsupported Silicone Rubber on a Kodacel Carrier Appearance: Translucent silicone rubber 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-30400N125-0125-317-mm-Uncured-Unsupported-Silicone-Rubber-on-a-Kodacel-Carrier.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene Interleave
	127 microns	5.00 mil	Kodacel Substrate
	2870 - 3480 microns	113 - 137 mil	Overall
	2870 - 3480 microns	113 - 137 mil	Side 1

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 60	50 - 60	Compound Property
Tensile Strength	>= 6.89 MPa	>= 1000 psi	Compound Property
Elongation at Break	>= 500 %	>= 500 %	Compound Property
100% Modulus	>= 0.00172 GPa	>= 0.250 ksi	
Tear Strength	>= 35.1 kN/m	>= 200 pli	Compound Property
Compression Set	<= 28 %	<= 28 %	After Post Cure, Compound Property

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

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 Postcure Cycle
	@Temperature 227 °C	@Temperature 440 °F	

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

Descriptive Properties	Value	Comments
Color	Naturally Translucent	
Total Product Weight (oz/yd2)	103.5 - 132.5	

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