

Arlon 15880T025 0.025" (0.635 mm) Uncured, Unsupported Silicone Rubber on a Mylar Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction:Side 1: Uncatalyzed, Unsupported Silicone Rubber on a Mylar Carrier
 Appearance: Clear silicone gum on polymer film
 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-15880T025-0025-0635-mm-Uncured-Unsupported-Silicone-Rubber-on-a-Mylar-Carrier.php

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Fluorinated Ethylene Propylene Interleave
	38.1 microns	1.50 mil	Mylar Carrier
	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	65 - 75	65 - 75	Compound Property
Tensile Strength	>= 7.93 MPa	>= 1150 psi	Compound Property
Elongation at Break	>= 300 %	>= 300 %	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	

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

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	Recommended Cure Cycle
	@Temperature 177 °C	@Temperature 350 °F	
	120 min	2.00 hour	Recommended Postcure 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	From date of manufacture

Descriptive Properties	Value	Comments
Color	Naturally Translucent	
Total Product Weight (oz/yd2)	21.8 - 25.8	

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