

Arlon 30860R060 0.60" Uncured Silicone Rubber on a Kodacel Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction: Interleave: 0.003" Low Density Polyethylene Add-on: Uncured Silicone Rubber Substrate: Kodacel Carrier 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-30860R060-060-Uncured-Silicone-Rubber-on-a-Kodacel-Carrier.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Thickness	127 microns	5.00 mil	Substrate; Arlon SQA-TMS-003
	1520 microns	60.0 mil	Rubber; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	Silicone Property; ASTM D2240
Tensile Strength	4.83 MPa	700 psi	Silicone Property; ASTM D412
Elongation at Break	200 %	200 %	Silicone Property; ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
UL RTI, Electrical	200 °C	392 °F	E54153
UL RTI, Mechanical without Impact	200 °C	392 °F	E54153

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Post Cure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa,	@Pressure 50.0 psi,	

Processing Properties	Temperature 121 °C Metric	Temperature 250 °F English	Comments
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	Silicone
	Translucent	Substrate
Total Product Weight (oz/yd2)	60.7	Arlon SQA-TMS-025

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