

Arlon R35640T003 0.003" (0.0762 mm) Uncured Silicone Rubber with Polyethylene Naphthalate Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction:Liner: Polyester Side 1: Uncured Silicone RubberSubstrate: Polyethylene NaphthalateAppearance: Gray gum on glass fiber fabricThis 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-R35640T003-0003-00762-mm-Uncured-Silicone-Rubber-with-Polyethylene-Naphthalate-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	25.4 microns	1.00 mil	Substrate; Arlon SQA-TMS-003
	25.4 microns	1.00 mil	Liner
	50.8 microns	2.00 mil	Side 1 rubber add-on; Arlon SQA-TMS-003
	76.2 microns	3.00 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	Silicone Property; ASTM D2240
Tensile Strength	10.0 MPa	1450 psi	Silicone Property; ASTM D412
Elongation at Break	850 %	850 %	Silicone Property; ASTM D412
Peel Strength	1.75 kN/m	10.0 pli	Bond Strength; ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	163 °C	325 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	78.7 kV/mm	2000 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 163 °C	@Pressure 50.0 psi, Temperature 325 °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	Translucent (Natural)	
Total Product Weight (oz/yd2)	2.7	Arlon SQA-TMS-025

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