

Arlon R35551X014 0.014" (0.356 mm) Uncured Rubber with Coated Nextel Substrate (discontinued **)

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction:Side 1: Uncured RubberSide 2: Uncured RubberSubstrate: Coated Nextel 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-R35551X014-0014-0356-mm-Uncured-Rubber-with-Coated-Nextel-Substrate-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Side 1; Arlon SQA-TMS-003
	76.2 microns	3.00 mil	Side 2; Arlon SQA-TMS-003
	203 microns	8.00 mil	Substrate; Arlon SQA-TMS-003
	356 microns	14.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 50	40 - 50	Silicone Property; ASTM D2240
Tensile Strength	>= 5.52 MPa	>= 800 psi	Silicone Property; ASTM D412
Elongation at Break	>= 500 %	>= 500 %	Silicone Property; ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability, UL94	HB	HB	Compound Rated

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 Postcure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	

Processing Properties	Metric	English	Comments
	@ Pressure 0.345 MPa, Temperature 121 - 177 °C	@ Pressure 50.0 psi, Temperature 250 - 350 °F	led Cure Cycle

Descriptive Properties	Value	Comments
Color	Gray	

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