

Arlon P3272-10Rxx-P4 0.030" (0.762 mm) Cured Self-Fusing Silicone Tape (Rectangular, Unsupported)

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Description: High strength self-fusing silicone tape
 Design/Construction: Interleave: Polyethylene
 Rubber: Cured Self-Fusing Silicone
 Rubber Cross-Section: 1" wide Rectangular
 Appearance: Red silicone rubber on polymer liner
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 Advantages: Flexibility: Silicone rubber resists damage due to vibration, frame movement under load and thermal expansion/contraction in use. Silicone based insulation remains flexible even after many years in extreme service conditions.
 Thermal Stability: Silicone based insulation remains flexible and resilient to thermal shock, even after years of cold motor starts as low as -54°C and running conditions up to 260°C.
 Electrical Insulation: Silicone based insulation has excellent dielectric strength, dielectric integrity over a wide temperature range, and resists arc tracking, current leakage, corona damage, and dielectric fatigue.
 Ozone and Weather Resistance: Unique silicone chemistry resists oxidative embrittlement, damage by ozone and other atmospheric chemicals, and seals against moisture, carbon dust, dirt, and debris.
 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-P3272-10Rxx-P4-0030-0762-mm-Cured-Self-Fusing-Silicone-Tape-Rectangular-Unsupported.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	Silicone Property; Arlon SQA-TMS-024
Water Absorption	1.6 %	1.6 %	MIL-I-46852C
Thickness	76.2 microns	3.00 mil	Interleave
	762 microns	30.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone Property; ASTM D2240
Tensile Strength	10.3 MPa	1500 psi	Silicone Property; ASTM D412
Elongation at Break	475 %	475 %	Silicone Property; ASTM D412
Peel Strength	0.631 kN/m	3.60 pli	Bond Strength; MIL-I-46852C

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-51.1 °C	-60.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	22.4 kV/mm	570 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month @Temperature 23.9 °C	12.0 Month @Temperature 75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Allis-Chalmers Tack	1/16 [in]	Arlon SQA-TMS-013
Color	Red	

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