

Arlon 10502R010 0.010" (.254 mm) Cured/Post-Cured Unsupported Silicone Rubber

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

Design/Construction:Side 1: Cured/Post-Cured Unsupported Silicone Rubber
 Appearance: Red silicone rubber
 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-10502R010-0010-254-mm-CuredPost-Cured-Unsupported-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	Polyethylene Interleave
	229 - 279 microns	9.00 - 11.0 mil	Side 1
	229 - 279 microns	9.00 - 11.0 mil	Overall

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 60	50 - 60	Compound Property
Tensile Strength	7.45 - 9.10 MPa	1080 - 1320 psi	Compound Property
Elongation at Break	540 - 660 %	540 - 660 %	Compound Property
100% Modulus	>= 0.00172 GPa	>= 0.250 ksi	Compound Property
Tear Strength	>= 43.8 kN/m	>= 250 pli	PPI, Compound Property
Compression Set	<= 28 %	<= 28 %	After Post Cure, 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	Compound Property

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month @Temperature 4.44 °C	12.0 Month @Temperature 40.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	10.5 - 12.5	

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