

Arlon Thermavac® 0.040" (0.762 mm) Cured Silicone Vacuum Bagging (10502R040)

Category : Polymer , Thermoset , Silicone

Material Notes:

Unsupported cured/post cured silicone rubber with a thickness of 0.040 in. ± 0.004 (1.0 mm ± 0.10); 0.003 in. (0.8 mm) polyethylene interleave. The shelf life is defined as the duration of time for which the product will meet the physical requirements outlined below. It does not guarantee the product's usefulness in all applications. Color: Red. Weight: 1560 g/m² ± 67.8 (46.0 oz./yd.² ± 2.0). Shelf Life: 12 months from date of manufacture at 4.4°C (40°F). Applications: Composite vacuum bagging materials. Information provided by the manufacturer, Arlon Silicone Technologies Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-Thermavac-0040-0762-mm-Cured-Silicone-Vacuum-Bagging-10502R040.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 60	50 - 60	
Tensile Strength, Ultimate	7.47 - 9.13 MPa	1080 - 1320 psi	
Elongation at Break	540 - 660 %	540 - 660 %	
100% Modulus	0.00172 GPa	0.249 ksi	Average
Tear Strength	≥ 43.8 kN/m	≥ 250 pli	
Compression Set	28 %	28 %	after post cure

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.6 °C	-69.9 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	≥ 15.75 kV/mm	≥ 400.0 kV/in	

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