

Arlon Thermavac® 0.020" (0.508 mm) Uncured Silicone Vacuum Bagging (30400R020)

Category : Polymer , Thermoset , Silicone

Material Notes:

Uncured, unsupported silicone rubber with a thickness of 0.020 in \pm 0.002 (0.51 mm \pm 0.051) on a Kodacel carrier (0.005 in., 0.13 mm nominal thickness); 0.003 in. (0.08 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: 688.3 g/m² \pm 67.8 (20.3 oz./yd.² \pm 2.0). Shelf Life: 3 months from date of manufacture at 4.4°C (40°F). Cure Time: 0.5 hours. Post Cure: 204°C (400°F), for 4 hours. 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-0020-0508-mm-Uncured-Silicone-Vacuum-Bagging-30400R020.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 60	50 - 60	
Tensile Strength, Ultimate	6.21 - 7.59 MPa	901 - 1100 psi	
Elongation at Break	450 - 550 %	450 - 550 %	
Tear Strength	\geq 35.1 kN/m	\geq 200 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	\geq 15.75 kV/mm	\geq 400.0 kV/in	

Processing Properties	Metric	English	Comments
Processing Temperature	176.6 °C	349.9 °F	curing temp., at 0.345 MPa (50 psi)

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