

Arlon Thermavac® 0.030" (0.762 mm) Uncured Silicone Vacuum Bagging (30400N030)

Category : Polymer , Thermoset , Silicone

Material Notes:

Uncured, unsupported silicone rubber with a thickness of 0.030 in \pm 0.003 (0.76 mm \pm 0.038) on a Kodacel carrier (0.005 in., 0.13 mm nominal thickness); 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: Translucent. Weight: 949.4 g/m² \pm 84.8 (28.0 oz./yd.² \pm 2.5). Shelf Life: 3 months from date of manufacture at 4.4°C (40°F). Cure Time: 0.5 hours. Post Cure: 227°C, 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-0030-0762-mm-Uncured-Silicone-Vacuum-Bagging-30400N030.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 60	50 - 60	
Tensile Strength, Ultimate	\geq 6.90 MPa	\geq 1000 psi	
Elongation at Break	\geq 500 %	\geq 500 %	
100% Modulus	0.00172 GPa	0.249 ksi	Average
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	

Processing Properties	Metric	English	Comments
Processing Temperature	176.6 °C	349.9 °F	curing temp

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