



PRODUCT DATA

540.11

ELASTIC INSULATION TAPE

DESCRIPTION:

540.11 is an elastic insulation compound designed for use as a gasket and sealing material for refrigeration, electrical and crack patch applications. Adhesion is excellent to dry, dust-free, commercially clean rubber, metal, asphalt, concrete, glass, plastic, wood and painted surfaces. The surface tack and adhesion of 540.11 will increase with time. It can be molded by hand to fit any shape and will bond firmly to itself without the need for any supplemental adhesive or heat.

540.11 is freeze-thaw stable. It is compatible with most paints but some oil-based paints will stain, test on a small area before applying. 540.11 does not affect rubber or plastics. It is not resistant to organic solvents.

APPLICATIONS:

- Use as a soft electrical tape.
- A seal for pipe entrances into concrete walls and concrete pipe joints.
- For sealing casket vaults, septic tanks and manhole covers.
- As a repair medium in concrete surfaces, parking decks and driveways.
- Repairing roof cracks, flashing and copings. Superior to roof patching mastic.
- For sealing cracks in all metal, concrete and wood utilities in the agricultural field.
- Air condition and ventilation ducts
- Storage hatches on cargo ships or barges.
- As an insulation and anti-squeak in metal assemblies
- As a sound damping tape applied to wheel wells, floors and doors in automobiles.
- A corrosion inhibitor between metal substrates exposed to the environment

PHYSICAL PROPERTIES:

Property	Test Method	Typical Values
Color	ASTM D1729	Black
Odor		Mild to none.
Service Temperature		-20°F to 200°F
Needle Penetration, 100-g	ASTM D1321	50 ± 5 dmm
% Solids	ASTM C771	>99% by weight
Shrinkage		<1%
Specific Gravity	ASTM D297	1.00 ± 0.05 g/cm ³
Weight per Gallon		8.3 ± 0.5 pounds per gallon
Tensile Strength	ASTM C907	40 psi with cohesive failure
Elongation	ASTM C907	200% @ 0°F 1200% @ 77°F
Dielectric Strength	ASTM D149	21,000 Volts @ 1/8-inch thickness.
Chemical Resistance	96-hours immersion @ 120°F	No weight loss or change in consistency exposed to: <ul style="list-style-type: none"> - 58% and 85% phosphoric acid solution - 35% nitric acid solution - 35% hydrochloric acid solution - 35% sulfuric acid solution - 35% sodium hydroxide solution - 60% ammonium nitrate solution - 25% urea solution
Exposure Resistance		No deterioration exposed to: <ul style="list-style-type: none"> - 1,800-hours salt spray - 5-years underground exposure
Weatherability	ASTM D750	No significant change after 1000-hours QUV exposure.
Shelf Life		Minimum 1-year when stored in the original packaging at normal warehouse temperatures.

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