



PRODUCT DATA

UT582 BUTYL SEALANT TAPE

DESCRIPTION:

UT582 is a butyl based, tough, rubbery, dough-like material having excellent cohesive and adhesive properties. It will cure slightly when heat is applied. UT582 was primarily designed for use in sealing plastic films to molds during vacuum forming of composite parts. Its high adhesive and cohesive strength makes it a good sealing material for many industrial and building materials applications. UT582 will not flow or run up to 450°F (230°C) unless subjected to pressure. UT582 will not affect enamel, lacquer or plastic. It will not stain vinyl, craze styrene or Plexiglas and will not shrink on aging.

- Excellent resistance to water and water vapors.
- Excellent adhesion to clean, dry surfaces.
- Forms and excellent vacuum seal.
- Service temperature range from -60° to 200°F (-50° to 95°C). Withstands temperatures up to 400°F (205°C) for three hours when used as a vacuum bag sealant for curing composite/laminate materials.
- Non-corrosive to metal.
- Non-contaminating to sweet butter.
- Non-staining.
- Dielectric – approximately 180 volts/mil.

PROPERTIES:

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| Vehicle: | Synthetic polymers |
| Fillers: | Inert mineral fillers, no asbestos |
| % Solids (ASTM C-771): | 99.9% |
| Weight per gallon (ASTM D-71): | 11.0 ± 1.0 lbs/gallon |
| Specific gravity: | 1.32 ± 0.1 |
| Odor: | None. Non-contaminating to sweet butter |
| Color: | Light gray to tan |
| Cone penetration (ASTM D-217): | 75 ± 5, 300-gram load (ASTM D-217) |
| Staining/Corrosion (ASTM D-925): | No migratory staining or corrosion (48-hours @ 176°F (80°C)) |
| Paintability: | Excellent with no effect on paint or rubber |
| Resistant to: | Water, water vapor, mild acid, bases, salts and detergents. Maintains adhesion 30 days @ 120°F |
| Adhesive Tensile Strength: | ≥17 lbs/in ² , 1/16-inch gap separated at 2-inches/minute |
| Flexibility: | No cracking or chipping when bent over a 3/8-inch (9.5-mm) mandrel at -40°F (-40°C). (ASTM D-816) |
| MIL-C-18969B: | Complies to requirements |
| Shelf Life: | Non-hardening material that may be stored indefinitely |

APPLICATION:

Apply by hand to clean, dry surfaces with release liner on top. UT582 may be applied directly to the surface as the roll is unwound or it may be cut to the desired length and then applied. If the alignment or placement of the preformed sealant is not correct, the cohesive strength of the material is sufficient to allow its being pulled off the surface and replaced in the proper position. Remove liner when sealant is in position and lay film on top. Apply pressure with hand or roller to maximize adhesion and ensure positive vacuum. UT582 will easily conform to and fill any minor irregularities in the sealed surfaces providing an effective barrier to the entry of air, dirt or water. Strip sealant below 150°F (66°C) to minimize or reduce the warping of parts. To leave a clean metal tool surface, strip sealant when tool surface has been cooled to room temperature.

Upon job completion, the remaining material can be stored for future use. Further, the preformed shapes assure that exactly the right amount of sealant will be applied to the surface thus providing a neat, attractive appearance and a positive, uniform seal.

Both extruded cords and tapes are packed in convenient roll form and application of the preformed product is extremely simple.

For technical assistance, customer service and general information please call:

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