



PRODUCT DATA

570 BUTYL TAPE

DESCRIPTION:

570 is an economical, general purpose, butyl-based sealing compound. It is produced in convenient ready-to-use tapes or beads. This material is resilient yet pliable and easily worked by hand. 570 will not flow, sag or pump from joints due to thermal expansion or contraction. It adheres instantly and is designed to yield a 100% cohesive failure under both wet and dry conditions. It will bond to:

- Polyethylene (HDPE)
- Polyester (Mylar™)
- Polyvinyl chloride (PVC)
- Glass
- Wood
- Aluminum
- Steel

Because of its excellent adhesion to most substrates, resistance to chemical attack, resiliency, creep resistance and its clean working properties, 570 may be used in almost any sealing application or as a laminating adhesive when applied as a 1/32-inch thick tape. The following examples are typical of the wide range of possible applications.

- Laminating adhesive for PVC, HDPE, joint compound, dry wall, concrete and laminates such as Formica®.
- Windows, panels and mullions in curtain wall and commercial building construction.
- Plate glass bedding.
- A seal for shower doors, for joints between metal frames and tile walls.
- Can be used wherever a freeze thaw material is required in refrigeration.
- A seal for various types of metal lap joints.

Surfaces where 570 is applied need not be completely clean, although they should be dry. In most instances the aggressive adhesion of 570 will accumulate over time. Materials should be tested in the intended application for product suitability. 570 is chemically inert and non-toxic. It is non-corrosive to paint, metal, aluminum or plastic and will not swell rubber.

PROPERTIES:

Property	Test Method	Typical Values
Color	ASTM D1729	570.11: Black 570.12: Gray 570.2: White
Odor		None. Will not contaminate sweet butter.
Service Temperature		-40°F to 215°F
Cone Penetration, 300 g	ASTM D217	80 – 95 dmm
% Solids	ASTM C771	> 99% by weight
Specific Gravity	ASTM D297	1.65 ± 0.05 g/cm ³
Weight per Gallon		13.7 ± 0.5 pounds per gallon
Tensile Yield	ASTM C907	25 – 30 psi

Property	Test Method	Typical Values
180-degree Peel Strength	ASTM D903, Test condition	Substrate: Peel strength and failure mode
	1-hour dwell	HDPE: 2.7 pounds/inch, cohesive failure
	500-hours @ 160°F	Glass: 4.8 pounds/inch, cohesive failure Wood: 5.5 pounds/inch, cohesive failure
	1000-hours @ 160°F	Glass: 5.0 pounds/inch, cohesive failure Wood: 4.9 pounds/inch, cohesive failure
	500-hours UV exposure through glass @ 140°F	Glass: 5.1 pounds/inch, cohesive failure
	1000-hours UV exposure through glass @ 140°F	Glass: 5.5 pounds/inch, cohesive failure
	2-weeks water soak @ 75°F	Glass: 6.0 pounds/inch, cohesive failure Wood: 5.7 pounds/inch, cohesive failure
	4-weeks water soak @ 75°F	Glass: 6.0 pounds/inch, cohesive failure Wood: 5.6 pounds/inch, cohesive failure
	500-hours @ 120°F & 100% humidity	Glass: 5.0 pounds/inch, cohesive failure Wood: 5.5 pounds/inch, cohesive failure
	1000-hours @ 120°F & 100% humidity	Glass: 5.8 pounds/inch, cohesive failure Wood: 6.6 pounds/inch, cohesive failure
Elongation	ASTM C907	600%
Freeze-Thaw Stability	100,000+ cycles of 6-min @ -10°F + 2-min @ 80°F	Pass
Weatherability	ASTM D750, 2000-hours QUV exposure	No apparent change of physical properties. Exposed surfaces became slightly tackier.
Discoloration from Ultraviolet Light Exposure	ASTM D1148, 1000-hrs UVA-340 exposure	No apparent change.
Compressibility		Easily compressible @ 40°F

REGULATIONS and SPECIFICATIONS:

AAMA: Meets 802.3, Type II and 804.3 requirements.

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