



PRODUCT DATA

578

RE- EXTRUDABLE BUTYL TAPE

DESCRIPTION:

578 is a butyl based sealing compound manufactured in convenient, ready-to-use tapes and beads. It is designed for re-extruding to size on line and can be supplied in rope form wound on spools for easy use in on-site extrusion equipment. It will not pull back or shrink in length if pulled during application. Excess squeeze out can be easily cut and removed without any elongation or stretching occurring.

The material is soft, resilient and pliable. It adheres instantly to most commercial substrates including PVC, polyethylene, polyester, glass, aluminum and wood. Surfaces need not be completely clean, as the aggressive adhesion of 578 will accumulate through most commercial films. Material should be tested for each application. 578 is designed to yield a 100% cohesive failure under both wet and dry conditions. Material will not flow, sag or pump from joint due to thermal expansion or contraction.

Because of its excellent adhesion to most materials, high resistance to chemical attack, resiliency, creep resistance and its clean working properties, 578 may be used in almost any sealing application.

- Primarily designed for window and patio door back bedding applications where cutting and stripping of excess material is of utmost importance.
- Seals, windows, panels and mullions in curtain wall and commercial building construction.
- Fabrication of commercial and residential greenhouses.
- Sealing shower door frames, joints between metal frames and tile walls.
- Wherever a freeze-thaw stable material is required in refrigeration.
- Sealing metal lap joints of various types.

578 is chemically inert, non-corrosive to paint, metal, plastic and will not swell rubber.

PHYSICAL PROPERTIES:

Property	Test Method	Typical Values
Color	ASTM D1729	578.11: Black 578.12: Gray 578.9: Orange
Odor		None
Service Temperature		-70°F to 220°F
Cone Penetration, 300 g	ASTM D217	60 – 85 dmm
% Solids	ASTM C771	> 99% by weight
Specific Gravity	ASTM D297	1.51 ± 0.05 g/cm ³
Weight per Gallon		12.6 ± 0.5 pounds per gallon
Tensile Yield	ASTM C907	30 psi

Property	Test Method	Typical Values
180-degree Peel Strength	ASTM D903, 1-week dwell	Glass: 6.5 pounds/inch, cohesive failure
		PVC: 8.8 pounds/inch, cohesive failure
		Wood: 7.5 pounds/inch, cohesive failure
	ASTM D903, 1-week water immersion	Glass: 8.5 pounds/inch, cohesive failure
		PVC: 10.6 pounds/inch, cohesive failure
		Wood: 6.5 pounds/inch, cohesive failure
Creep	TP-022, 24-hrs @ 180°F	~50%
Freeze-Thaw Stability	100,000+ cycles of 6-min @ 10°F + 2-min @ 80°F	Pass
Weatherability	ASTM D750	No significant change in tensile yield after 2000-hours exposure.
Hardness – Shore A	ASTM C661	15
Compressibility		Easily compressible @ 40°F
Shelf Life		Minimum 1-year when stored in the original container at normal warehouse conditions.

REGULATIONS and SPECIFICATIONS:

AAMA: Meets 802.3, Type II and 804.3 requirements.

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