

Broad Temperature Fluid Resistant PSA

Product Description

Broad-Temperature, Fluid-Resistant Pressure Sensitive Adhesives (PSAs) from Triton Systems, Inc. (Triton) are derived from a novel chemistry that offers intrinsic fluid resistance and wide use temperature range.

Triton's Adhesives Offer

- ▶ Excellent fluids resistance
- ▶ Variable tack for clean peel
- ▶ Broad temperature operating range (-90 to 275 °F)
- ▶ Peel strength of 2 pli to 20+ pli depending on conditions
- ▶ A shelf life of 2 years

When used with Triton's adhesion promoter, the PSA is repositionable, either by lifting it off the adhered surface and replacing, or by gently sliding it into place.

We have the ability to balance the properties to specific needs by modifying the chemistry.

Ability to Customize:

- ▶ PSA thickness
- ▶ Tack
- ▶ Carrier film
- ▶ Use temperature
- ▶ Release liner

Tape Construction

The pressure sensitive adhesive can be supplied as a transfer tape, a single sided tape, or a double-sided tape. For the single sided and double-sided tape, the carrier film can be chosen from a variety of materials including Kapton and PET. Adhesive thickness can range from 1 mil to 5 mil (0.025 mm to 0.125 mm). Release liner is typically a double sided white 68# kraft, but additional liners are available for specific applications.



Physical Properties

Temperature Use Range:..... -90 °F to 275 °F
..... (-67 °C to 135 °C)

Density:..... 1.102 g/cc

Sizes

The tape is available in widths up to 59 inches. Roll lengths of 50 to over 1,000 feet are available. Custom widths and lengths are also available.

Typical Peel Strength

(180 degree peels on Deft 02-OGN-084 Primed Aluminum, ASTM D3330)

Fluid	-65 °F	RT	250 °F
None	5.2 lbs/in	12.5 lbs/in	3.4 lbs/in
JP8	7.0 lbs/in	11.3 lbs/in	3.4 lbs/in
Kilfrost	8.0 lbs/in	9.9 lbs/in	3.0 lbs/in
Hydraulic Fluid	4.3 lbs/in	9.8 lbs/in	3.7 lbs/in
Water at 120°F	21.0 lbs/in	13.0 lbs/in	1.9 lbs/in



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