



SUN PROCESS Product Information Data

SU-PRO® TA1176 UNSUPPORTED PERMANENT ACRYLIC TRANSFER ADHESIVE

*Thickness \pm 10%, including adhesive
The following characteristics are on typical laboratory data:*

DESCRIPTION: TA1176 is a soft high performance unsupported permanent acrylic pressure sensitive transfer adhesive. It offers optical clarity, good peel strength, high tack, and adheres well to a variety of substrates. TA1176 also exhibits good low temperature characteristics.

THICKNESS: 1 mil adhesive thickness.

LINER: A 76 lb. PFW bleached differential release liner protects the adhesive prior to application.

PEEL ADHESION: (PSTC-101)* 180° peel values for TA1176 permanent acrylic pressure sensitive adhesive.

Dwell Time

Initial:	45 oz./inch width
24 Hours:	55 oz./inch width
Ultimate:	60 oz./inch width

** Data reflects averages and is not to be used for specification purposes.*

SHEAR: (PSTC-107)* Shear (hold) to 250 minutes at 70°F (21°C). No Failure.

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- APPLICATION IDEAS:**
- Lamination of signs and posters
 - Application of decorative parts
 - Product assembly

APPLICATION TECHNIQUES: Bond strength is dependent on the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improve bond strength.

To obtain optimum adhesion, the bonding surfaces must be clean, dry, and well unified.

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

**GENERAL
INFORMATION:**

If used to laminate to PVC film that is plasticized please note the following: Vinyl formulations differ and plasticizer types and amounts can vary. The most common types of plasticized vinyl contain low molecular weight materials (plasticizers) which tend to migrate out of the vinyl. In the case of adhesive bonding, these plasticizers migrate into the adhesive which can cause softening of the adhesive and loss of bond strength over time.

The possible effect of plasticizer migration on an adhesive bond can be predicted by accelerated aging for 5 days at elevated temperature (150°F [65°C]). **Note:** Due to the variability of vinyl formulations, we strongly recommend that the user test each vinyl substrate to determine suitability of the tape for the particular application.

STORAGE: Store in original cartons at 70°F (21°C) and 50% relative humidity.

SHELF LIFE: When stored under proper conditions, product retains its performance and properties for two years from date of manufacture.

TECHNICAL INFORMATION

The technical information, recommendations and other statements contained in this document are based upon tests or experience that Sun Process believes are reliable, but the accuracy or completeness of such information is not guaranteed. They do not relieve the purchaser from the responsibility of examining the products upon delivery or provide assurance of the products suitability for a particular purpose. Suitability for any given application is the sole responsibility of the user.

ISO 9001:2015

This Sun Process product was manufactured under our quality system registered to ISO 9001:2015 standards

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