

A429

TRANSFER PVC 50 CAST VINYL

Facestock

A premium quality 50 µm silver, polymeric plastisized, cast PVC film.

Basis Weight	82 g/m ²	ISO 536
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Caliper	50 µm	ISO 534
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Adhesive

A clear rubber hybridised acrylic adhesive.

Liner

A white supercalendered glassine paper.

Basis Weight	90 g/m ²	ISO 536
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Caliper	78 µm	ISO 534
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Laminate

Total Caliper	78 µm±10%	ISO 534
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Performance Data

Initial Tack	22 N/25mm	FTM 9 glass
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Min. Application Temp.	+5 °C
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Service Temperature	-40 °C to 120°C
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Adhesive Coat Weight	35 g/m ²	FTM12
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Adhesive Type	Rubber hybridised acrylic
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Peel Adhesion 90° - 24hr	22 N/25mm	FTM 2 st.st. 24hr
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Adhesive Performance

Features extremely high final adhesion on a wide variety of surfaces including textured and low surface energy substrates. Excellent chemical resistance.

Applications and Use

Transfer PVC 50 Cast Vinyl is designed for use as identification labels, warning and instruction panels. It is typically used in the automotive, aeronautical and industrial machinery sector. This product can also be used in outdoor applications where long term direct exposure to sunlight is expected. A durability of 6 years (vertical exposure) is expected in middle-European conditions.

Actual performance life will depend on substrate preparation and exposure conditions. It is designed primarily for creating labels to be applied onto low surface energy plastic automotive parts or other rough or low surface energy surfaces. The increased coat weight of this adhesive (35 g/m²) aids labelling rough substrates. The product is briefly repositionable and then the adhesion increases to very high ultimate peel strength. products are engineered to be resistant to - also harsh - chemicals commonly found in the automotive and electronics industry. Because of the high coat weight and high tack of the adhesive, there is a risk of adhesive ooze. Special care has to be taken in the conversion process. It is recommended to contact the supplier of die cutting equipment to specify the most suitable tool. Good results have been achieved using a 60° cutting angle with laser hardening and a no-stick coating.

Conversion and Printing

In addition to very good thermal transfer print, the product can also be screenprinted. For other print techniques specific testing is required. This product is designed for roll to roll conversion and shows good die cutting performance.

Shelf Life

To obtain optimal performance, use this product within two years of the date of delivery, under storage conditions as defined by FINAT (20-25°C; 40-50%RH). Prolonged storage outside these conditions might reduce the shelf life.

Disclaimer

Values shown in this document are averages only. For legal reasons, we emphasize that the information on this data is available as is and that Altec gives no guarantees with respect to the accuracy and completeness nor with respect to interpretations made on the basis of this information.