

A453

INKJET TAG

Description

A matt white polyethene with high absorbent surface structure specifically designed for water-based inkjet printing with pigment-based links.

Applications and use

The product is designed for industrial applications where the label has to survive harsh environments. BS 5609 part two and part three certified. For print machine and inks certified for part three, please consult our BS 5609 overview. The product is designed for industrial applications where the label has to survive harsh environments.

Facestock

A matt white polyethene with high absorbent surface structure specifically designed for water-based inkjet printing with pigment-based links.

Basis Weight	112g/m ²	ISO 536
Caliper	125µm	ISO 536

Adhesive

S4600 is a clear emulsion adhesive for demanding labelling applications.

Liner

Supercalendered kraft liner; equivalent to BG55WH a white supercalendered glassine paper.

Basis Weight	93g/m ²	ISO 536
Caliper	80µm	ISO 534

Laminate

Total Caliper	228µm+10%	ISO534
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Performance data

Initial Tack	20N/25 mm glass	FTM 9
Peel Adhesion 90°	10N/25 mm st.st.20min	FTM2
Min. Application Temp.	0°C	
Service temp.	-20°C to 80°C	

Conversion and Printing

The facestock is printable with water-based inkjet pigment inks, flexographic inks, writable with pen, pencil, surgical marker, and Sharpie markers, and can incorporate color-on-demand in compliance with GHS standards when printed with pigment-based inks. It exhibits good light and water fastness. When printed in press models using dye-based or flexographic UV inks, may not show print quality and ink anchorage on par with pigment WBIJ inks. This liner is suitable for roll-to-roll conversion and not recommended for sheeting.

Compliance and Approvals

The adhesive meets the requirements of FDA 21 CFR 175. 105 for indirect food contact. The product has received BS-5609 Section 2 compliance; followed by BS-5609 Section 3 compliance and certification for use with EPSON ColorWorks C-3400, C 3500, C-831, and CW-C6000/C6500 printing platforms.

Product data Valeron 1S - 225

Material

A one side topcoated crosslaminated, based on HDPE. It consists of multiple layers of oriented film, extrusion laminated to each other.

Basis weight	198g/m ²	ISO 536
Caliper	225µm	ISO 534
Tensile strength	10kN/m	DIN 53455
Elongation	240%	DIN 53455
Tear Test	140N	DIN 53363
Graves tear	70N	ASTM D1004
Elmendorf	20N	ASTM D1922

Applications and use

Its multi-layer structure enables the product to replace ordinary films and laminates with less than half the thickness, it is therefore considered to be the strongest HDPE substrate worldwide. Due to the closed structure the product is often used as barrier film as well.

Conversion / Printing

The crosslaminated structure offers the ideal pattern for a high perforation resistance. Nevertheless the product can easily be die cut, stapled or perforated using the recommended tooling. This makes it possible to attach the product to almost every substrate, without the use of additional fixations. The topcoating allows the use of the following printing technologies: Thermal Transfer, Flexo Standard, Flexo UV, Offset UV, Screenprinting.

Shelf life

One year, stored at 22°C and RH 50%.

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.