ALTEC
INDUSTRIAL IDENTIFICATION

Technical datasheet

PP413/L14

PP413 THT-IC P&L

Technical data

Facestock	**PP NG TOP WHITE**	
Product	A cavitated white bi-axially oriented, polypropylene film with a print-receptive topcoat.	
Basis Weight	43 g/m²	ISO 536
Caliper	58 µm	ISO 534

Adhesive
A special purpose permanent, rubber based adhesive.

Liner		
BG50WH BSS: glassine paper, siliconised on both sides, woodfree, super calandered and extremely tough and tear-restistent despite its thinness. Without back imprint.		
Basis Weight	78 g/m²	ISO 536
Caliper	72 µm	ISO 534

Laminate		
Total Caliper	187 µm±10%	ISO 534

Performance Data		
Initial Tack	45 N/25mm	FTM 9 Glass
Peel Adhesion 90°	25 N/25mm	FTM 2 St.St.
Min. Application Temp	0 °C	
Service Temperature	-20 °C to +70 °C	

Adhesive Performance
This product is specially designed to meet the performance requirements of automotive tyre labelling. The special composition provides a superb anchorage of the label to the compound curved and extremely irregular surface of tyres, neglecting the negative influences of surface contaminants such as mould release agents or components migrating from the rubber. This label material does not have any negative effect on the properties and performance of labelled tyres. Note: this product contains a very aggressive adhesive. If the product is without SGP (Special Gum Pattern), slitreels will not be delivered with bleed-free edges and edge-bleed can occur. In case bleedfree edges are required, please contact your local sales representative.

Applications and Use
Applications are predominantly in market segments where rigid containers are used (e.g. Glass, PET). Due to fairly rigid nature of the film care should be taken with use on non-uniform surfaces and where a very high level of squeezability is desired. The heavy coat weight of adhesive does not allow high press speed. Die cutting and press/inspection rewind tension should be kept under careful control to avoid adhesive bleeding. Automatic dispensing is not recommended, but if necessary, we can adapt a special product. Prior testing is recommended.

ALTEC industrial identification nv
Zone Cargovil B-60 • Erasmuslaan 11
B-1804 Cargovil-Eppegem

+32 (0)2 270 34 88
info@altec.be
www.altec.be

Conversion and Printing
The modified acrylic based topcoating can be printed by conventional printing techniques including flexo, screen, offset, letterpress, silkscreen, gravure, and hot or cold foiling processes. UV, water-based and solvent-based inks can be used. The topcoat is designed for optimal ink adhesion. On-press corona treatment is not advised. PP NG TOP White is suitable for Thermal Transfer printing. Exact inks, foils and ribbons should be specified by your ink/foil/ribbon supplier. With certain UV Inkjet digital printers the material was found to be compatible, testing is highly recommended. The material has very good register properties especially when a high number of different colours are used.

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

L14 Laminate

Facestock

A clear bi-axially oriented, polypropylene film with a printreceptive topcoat.

Basis weight	52 g/m^2	ISO 536
Caliper	58 µm	ISO 534

Adhesive

A general purpose permanent, acrylic based adhesive.

Liner

BG40 white, a supercalendered glassine paper. The liner is made from FSC® certified paper (FSC Mix Credit, chain-of-custody number: CU-COC-807907, Licence Code: FSC-C004451).

Basis Weight	59 g/m^2	ISO 536
Caliper	43 µm	ISO 534

Laminate

Total caliper	128 µm±10%	ISO 534

Performance Data

Initial Tack	10 N/25mm	FTM 9 Glass
Peel Adhesion 90°	6 N/25mm	FTM 2 St.St.
Min. Application Temp.	5 °C	
Service Temperature	-20 °C to +80 °C	

Adhesive Performance

L14 is a clear permanent adhesive featuring excellent UV resistance and weatherability together with good adhesion performance, even on apolar substrates.

Applications and Use

Applications are predominantly in market segments where rigid containers are used (e.g. Glass, PET). Due to fairly rigid nature of the film, care should be taken with use on non-uniform surfaces and where a very high level of squeezability is desired.

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Conversion and Printing

The modified acrylic based topcoating can be printed by conventional printing techniques including flexo, screen, offset, letterpress, silkscreen, gravure, and hot or cold foiling processes. UV, water-based and solvent-based inks can be used. The topcoat is designed for optimal ink adhesion. On-press corona treatment is not advised. The face material is suitable for Thermal Transfer printing. Exact inks, foils and ribbons should be specified by your ink/foil/ribbon supplier. The material has very good register properties especially when a high number of different colours are used.

Compliance and Approvals

S692N complies with European food regulation 1935/2004/EC, with the German Recommendation (BfR) XIV and with FDA § 175.105. It also meets the demands of the limit values laid down in 10/2011/EU. In accordance with the requirements of relevant EU food regulations, the adhesive S692N may safely stand in direct contact with dry, moist and fatty foodstuffs which have a reduction factor of at least 2 according to the Commission Regulation (EU) No 10/2011.

Shelf Life

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

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