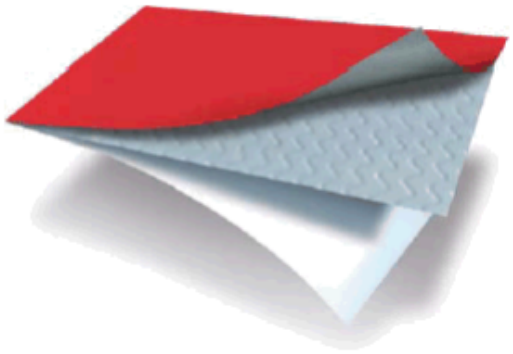
AB702

Fasson ®

OVERLAM POLYCARB 50 MT S8020-PET36



OVERLAM POLYCARB 50 MT	
S8020	
PET36	

Facestock

A clear, velvet textured polycarbonate overlamination film with very good clarity.

Basis Weight	60 g/m²	ISO 536
Caliper	50 µm	ISO 534

Adhesive

S8020 is a clear permanent adhesive featuring excellent UV resistance and weatherability together with good overall adhesion performance.

Liner

A clear polyester liner. The polyester liner giving optimum smoothness to the adhesive layer.

Basis Weight	50 g/m²	ISO 536
Caliper	36 µm	ISO 534
Transparency	99 %	DIN 53147

Laminate

Total Caliper	106 µm±10%	ISO 534

Performance Data

Initial Tack	7.5 N/25mm	FTM 9 glass FINAT FTM 9 (vidro)
Peel Adhesion 90°	9.5 N/25mm	FTM2 st.st. 24 hrs.
Min. Application Temp.	5 °C	
Service Temperature	-40 °C to 125 °C	
Adhesive Coat Weight	20 g/m²	FTM12
Adhesive Type	Emulsion Acrylic	

Adhesive Performance

The adhesive S8020 features excellent temperature and UV resistance as well as weatherability. This general purpose adhesive offers good peel adhesion values on high and medium surface energy substrates.

Applications and Use

Overlam Polycarbonate is primarily used as an alternative to subsurface printed polycarbonate nameplates, touch pads and dashboard. Typically overlaminated onto a printed PET and other filmic labels to achieve a similar effect to subsurface printed polycarbonate. Polycarbonate overlamination film is extremely tough, scratch resistant and hardwearing. It is ideal for applications where display panels or labels need protection from heavy use. It has a non-reflective surface for low glare and is finger-print resistant.

The main area of application for this product is the labelling of industrial products, for example in the electronics and appliance market. Nameplates and logistics labels are typical examples.

The robust film liner allows for consistant, snap free, application on high speed lines. As liner is transparent, the applicator must detect the print itself or registration marks must be provided on either face or liner.

Conversion and Printing

This product is not designed for thermal transfer or conventional printing. When diecutting labelstock overlaminated with polycarbonate, dies should be clean, sharp, and tooled for this purpose. The use of polycarbonate film can aid label-dispensing.

Press stability is good with stable, consistant register during conversion. Flat bed performance is good while solid and magnetic rotary dies need additional care. (Die bearers must be adjusted to the polyester liner).

Compliance and Approvals

This product is UL recognized (UL 969). The UL file number is MH27538.

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.

Appendix

UL recognition

This product meets the requirements as stated in UL 969 and is UL recognized for indoor use.
The UL file number is MH27538. For specific information on approved conditions, see appendix.

Performance Data

Note: the following technical data should be considered representative or typical only and should not be used for specification purposes.

Peel Adhesion:

FTM1: 180°, 300 mm/min, dwell time: 48 hours

Surface	N/25mm
ABS	10,0
Aluminium	13,0
Automotive lacquered panels	10,0
Glass	11,0
HDPE	7,0
LDPE	5,0
PA6	14,0
Stainless Steel	17,0

Chemical Resistance:

The performance results are based on 4 hours immersions at room temperature unless otherwise noted. Samples were applied to the test panel and conditioned for 24 hours before immersion and evaluated immediately upon removal. Peel adhesion was measured according to FTM1.

Chemical	Test Substrate	N/25mm	Visual appearance	Edge Penetration
Brake Fluid	Glass	9,8	No change	0 mm
Diesel	Glass	8,6	No change	0 mm
Engine Oil	Glass	9,5	No change	0 mm
Gasoline	Glass	6,8	No change	3 mm
Heptane	Glass	7,2	No change	3 mm

Chemicals: Brake Fluid: DOT 4 Synthetic (One Way), Diesel: TOTAL,
Engine Oil: TOTAL quartz 700, 10 W 40, Gasoline: TOTAL Euro 95

Appendix

Compliance Data

UL – Underwriters Laboratories (UL969)

This material is UL recognized as pressure-sensitive overlamination for producing finished printed labels. The conditions of acceptance are:

Affixed to smooth polyester label material, maximum temperature 100°C, minimum temperature -40°C. Suitable where exposed indoors to high humidity or occasional exposure to water.

Details are listed in the UL file MH27538.

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Warranty
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