

### Facestock

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

Basis Weight	60 g/m <sup>2</sup>	ISO 536
Caliper	50 µm	ISO 534
Maximum Service Temperature	125 °C	

### Adhesive

S8020 is a clear permanent acrylic adhesive.

### Liner

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

Basis Weight	51 g/m <sup>2</sup>	ISO 536
Caliper	36 µm	ISO 534
Transparency	99 %	DIN 53147

### Laminate

Total Caliper	106 µm±10%	ISO 534
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### Performance data

Initial Tack	14 N/25mm	FTM 9 Glass
Min. Application Temp.	5 °C	
Service temperature	-40°C to 125°C	
Peel Adhesion 90°	7.5 N/25mm	FTM 2 st.st. 24hr
Adhesive Type	Emulsion Acrylic	
Adhesive weight	20 g/m <sup>2</sup>	FTM12

### Adhesive Performance

S8020 features excellent heat and UV resistance and weatherability together with good adhesion performance 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. This material can be used to label Durable Goods with a high and medium surface energy, for example metals and plastics like ABS and Polycarbonate. Labelling of rough substrates is not recommended.

The robust film liner allows for consistent, 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.

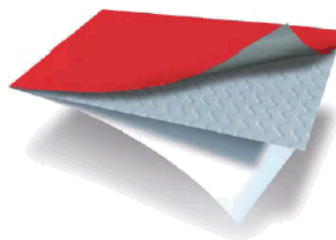
### Conversion & printing




This product is not designed for thermal transfer or conventional

## AB702

### Fasson ®

### OVERLAM POLYCARB 50 MT - S8020-PET36



OVERLAM POLYCARB 50 MT	
S8020	
PET36	

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, consistent 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).

#### **UL Recognition**

This product meets the requirements as stated in UL 969 for indoor use. The UL file number is MH27538.

#### **Shelf life**

Two years under storage conditions as defined by FINAT (20-25°C; 40-50%RH)

All data to be considered as typical values and subject to change without prior notice. The actual front and liner used might influence adhesive values. Further testing is always recommended.

If you would like to make a suggestion or comment on this datasheet, please send an email to [datasheet.mgmt@eu.averydennison.com](mailto:datasheet.mgmt@eu.averydennison.com)

## Appendix 1: 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 (mm)
Brake Fluid	Glass	12,0	No change	0
Diesel	Glass	11,0	No change	0
Engine Oil	Glass	12,0	No change	0
Gasoline	Glass	Failed	Edge lifting	Edge lifting
Heptane	Glass	6,0	No change	0

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

## Appendix 2: Compliance Data

### UL – Underwriters Laboratories (UL969)

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

- Affixed to 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.

The UL certification includes the printing with the thermal transfer ribbon Armor “APR600”.

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#### Warranty

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