

#### Facestock

A matt transparent overlaminating polyester.

Basis Weight	35 g/m <sup>2</sup>	ISO 536
Caliper	25 µm	ISO 534

#### Adhesive

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

#### Liner

BG42 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	62 g/m <sup>2</sup>	ISO 536
Caliper	55 µm	ISO 534
Transparency	50 %	DIN 53147

#### Laminate

Total Caliper	101 µm±10%	ISO 534
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#### Performance Data

Initial Tack	7.5 N/25mm	FTM 9 glass
Peel Adhesion 90°	9.5 N/25mm	FTM2 st.st. 24 hrs.
Min. Application Temp.	5 °C	
Service Temperature	-40 °C to 150 °C	
Adhesive Coat Weight	20 g/m <sup>2</sup>	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

This is used to create premium matt effect labels. The overlaminate protects the underlying label from abrasion and chemical attack.

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.

#### Conversion and Printing

This material is not equipped with a topcoat and is normally not overprinted. Due to the low calliper of this film, it can not be dispensed by itself.

#### Compliance and Approvals

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

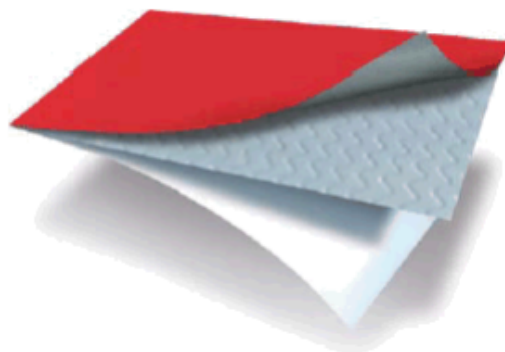
#### Shelf Life

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.

## AI573

### Fasson®

#### OVERLAM PET 25 MATT S8020-BG42WH FSC



OVERLAMINATING PET25 MAT	
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S8020	
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BG42WH FSC	
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*This is an automatically generated datasheet. All data to be considered as typical values and subject to change without prior notice. 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

### 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	9,5
Aluminium	9,5
Automotive lacquered panels	8,0
Glass	10,5
HDPE	4,5
LDPE	4,5
PA6	9,0
Stainless Steel	11,0

### 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
Ad Blue	Aluminium	8,9	No change	1 mm
Biodiesel	Glass	10,1	No change	0 mm
Bioethanol E85	Glass	8,4	No change	2 mm
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
Water, distilled	Aluminium	8,1	No change	3 mm

**Chemicals:** Ad Blue: Aral, Bioethanol E85: CropEnergies CropPower85, Brake Fluid: DOT 4 Synthetic (One Way) Diesel: TOTAL, Engine Oil: TOTAL quartz 700, 10 W 40, Gasoline: TOTAL Euro 95

## Appendix

### Thermal Transfer Printing:

#### Printability – Physical Resistance

Flat head printers (tests were performed with the printer Zebra XII 140):

Ribbon	Settings		Print Quality	ANSI Grade	Scratch resistance	Tape resistance
	speed	energy				
Ricoh B110A	3	30	+	B*	++	++
Ricoh B110CR	3	30	++	B*	++	++

ANSI (American National Standards Institute) Grade: information about barcode quality

A: excellent B: good C: acceptable D: readable with difficulty

++: excellent +: good o: acceptable -: poor

\*: Based on a white substrate. Readability may vary when applied onto different coloured substrates.

#### Chemical Resistance

The printed samples were wetted on the surface with a soft clean cotton cloth soaked in the test solution by wiping 10 times back and forth with light pressure. After 5 seconds they were dried with a clean dry soft cloth. After 15 minutes the evaluation took place.

	B110A	B110CR
Anti-Freeze	+	+
Brake fluid	-	+
Cleaner solvent	+	+
Engine oil	+	+
Gasoline	-	-
Isopropanol	-	+
Spirit	o	+

+: good (no change) o: acceptable (minor change, still readable) -: poor

#### Chemicals:

Anti-Freeze: Speedfrost "Speedfroil" 1:1 in water, Brake Fluid: DOT 4 Synthetic (One Way),

Cleaner Solvent.: "Caramba" Cold Cleaner, 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 150°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 one or more of the following thermal transfer ribbons: Armor "AXR7+", Ricoh "B110CR", Sony "TR6075".

## Avery Dennison Materials Group Europe

Willem Einthovenstraat 11  
2342 BH Oegstgeest  
The Netherlands  
+31 (0)85 000 2000

### Warranty

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