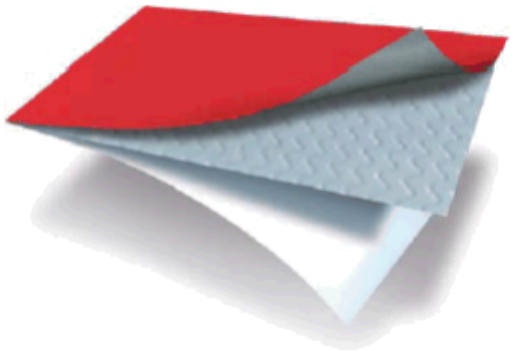
AE407

Fasson ®

OVERLAMINATING PET25 S8020-BG42WH FSC



PET25 OVERLAM	
S8020	
BG42WH FSC	

Facestock

A crystal clear, gloss overlaminating polyester film with print treated surface for enhanced ink adhesion.

Basis Weight	33 g/m²	ISO 536
Caliper	23 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/m²	ISO 536
Caliper	55 µm	ISO 534
Transparency	50 %	DIN 53147

Laminate

Total Caliper	99 µm±10%	ISO 534

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/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

This product is designed for overlamination of polyester and vinyl label materials in order to protect the print from abrasion or chemical exposure. It can also improve the durability of other filmic and paper label materials. This glass clear product is ideal to change the label appearance to a high gloss finish or to make a label material or printed areas thermal transfer printable.

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

The glossy, smooth surface is print treated and can be thermal transfer printed, the best results can be obtained with resin ribbons. Due to the low calliper of this film, it can not be dispensed by itself.

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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

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 and CSA recognition

This product meets the requirements as stated in UL 969 and CSA C22.2 No. 0.15 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 speed	energy	Print Quality	ANSI Grade	Scratch resistance	Tape resistance
Armor AXR7+	3	25	++	*	++	+
Armor AXR8	3	30	++	*	++	+
Dai Nippon R510	3	30	+	*	++	o
Iimak SP330	3	25	++	*	++	+
ITW B324	3	25	+	*	++	+
Ricoh B110Cx	3	30	+	*	++	+

Near edge printers (tests were performed with the printer Avery TTX 450 – Near Edge):

Ribbon	Settings	Print Quality	ANSI Grade	Scratch resistance	Tape resistance
Armor AXR 600	5 ”/s	++	*	+	o
Ricoh B120 Ec	5 ”/s	+	*	-	+

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.

	AXR7+	AXR8	R510	SP330	B324	B110Cx	AXR 600	B120 Ec
Anti-Freeze	+	+	+	+	+	+	+	+
Biodiesel	+	+	+	+	+	+	+	+
Brake fluid	-	+	+	-	o	o	+	o
Cleaner solvent	+	+	+	o	+	+	+	+
Engine oil	+	+	+	+	+	+	+	+
Gasoline	-	-	+	-	+	-	+	-
Hard wax polish	+	+	+	+	+	+	+	+
Isopropanol	-	+	+	+	+	o	+	+
Spirit	o	+	+	o	-	-	+	o

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

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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, Hard Wax Polish: „Nigrin“ Hard Wax Polish

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 polyester label material, maximum temperature 125°C, minimum temperature -40°C.
  Suitable where exposed indoors to high humidity or occasional exposure to water.
- Affixed to vinyl label material, maximum temperature 60°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 “AXR600”, “AXR7+”, “AXR 8”, Dainippon ”R510”, “TR6070”, “TR6075”, ITW “B324”, Iimak “SP-330”, Ricoh “B110CX”, “B120 Ex2”.

CSA – Canadian Standards Association

UL has tested this product according to the requirements described in CSA C22.2 No. 0.15.
This product is C-UL recognized as pressure-sensitive overlamination for producing finished printed labels.
The conditions of acceptance are:

- Affixed to polyester label material, maximum temperature 125°C, minimum temperature -40°C.
  Suitable where exposed indoors to high humidity or occasional exposure to water.
- Affixed to vinyl label material, maximum temperature 60°C, minimum temperature -40°C.
  Suitable where exposed indoors to high humidity or occasional exposure to water.

Details are listed in the UL file number MH27538.

The C-UL certification includes the printing with Dainipppon “TR6075”, Iimak “SP-330” and Ricoh “B110CX”, “B120 Ex2”.

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Warranty
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