



AE407

Fasson ® OVERLAMINATING PET25 - S8020-BG42WH

**A UL recognised glossy,
clear overlaminating
polyester film.**



Key features

- > Good TT printability.
- > Significantly less yellowing of the adhesive after heat or UV exposure than standard adhesives.

- > UL and CSA recognised.

Facestock

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

Caliper	23 µm	ISO 534
Maximum Service Temperature	150 °C	

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.

Basis Weight	64 g/m ²	ISO 536
Caliper	57 µm	ISO 534
Transparency	50 %	DIN 53147

Laminate

Total Caliper	101 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 150°C	
Peel Adhesion 90°	6 N/25mm	FTM 2 st.st. 24hr

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 & printing

Overlaminating PET 25 can be printed with conventional printing techniques. Variable information can be applied using thermal transfer. For best scratch resistance resin ribbons are recommended. Overlamination can be an aid to matrix stripping and automatic label dispensing of the base label material. However, due to the low calliper of this film, we do not recommend automatic dispensing by itself.

UL and CSA Recognitions

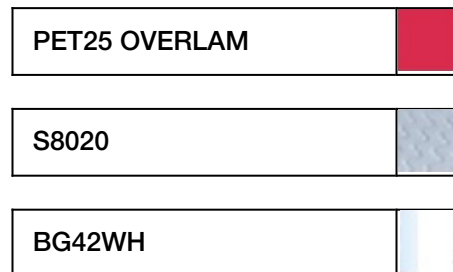
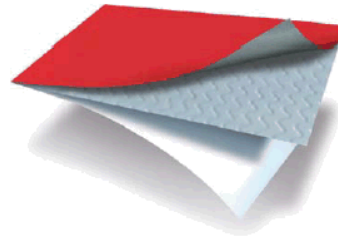
This product meets the requirements as stated in UL 969 and CSA C22.2 No. 0.15 for indoor use. The UL file number is MH27538.

Shelf life

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

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All data to be considered as typical values and subject to change without prior notice. Further testing is always recommended.

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If you would like to make a suggestion or comment on this datasheet, please send an email to 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	9,5
Aluminium	9,5
Automotive lacquered panels	8,0
Glass	10,5
HDPE	4,5
LDPE	4,5
PA6	9,0
Stainless Steel	18,0

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)
Ad Blue	Aluminium	8,9	No change	1
Biodiesel	Glass	10,1	No change	0
Bioethanol E85	Glass	8,4	No change	2
Brake Fluid	Glass	9,8	No change	0
Diesel	Glass	8,6	No change	0
Engine Oil	Glass	9,5	No change	0
Gasoline	Glass	6,8	No change	3
Heptane	Glass	7,2	No change	3
Water, distilled	Aluminium	8,1	No change	3

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

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				
Armor AXR7+	3	25	++	*	++	+
Armor AXR8	3	30	++	*	++	+
Dai Nippon R-510	3	30	+	*	++	o
limak SP330	3	25	++	*	++	+
ITW B324	3	25	+	*	++	+
Ricoh B110Cx	3	30	+	*	++	+
Sony TR6070	3	30	+	*	++	o
Sony TR6075	3	25	++	*	++	+

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	4	50	++	*	+
Ricoh B120 Ec	4	50	+	*	-

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

*: depending on the laminated material

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 +	AXR 8	R-510	SP33 0	B324	B110 Cx	TR60 70	TR60 75	AXR6 00	B120 Ec
Anti-Freeze	+	+	+	+	+	+	+	+	+	-
Biodiesel	+	+	+	+	+	+	+	+	-	-
Brake fluid	-	+	+	-	o	o	+	o	-	-
Cleaner solvent	+	+	+	o	+	+	+	+	o	-
Engine oil	+	+	+	+	+	+	+	+	+	o
Gasoline	-	-	+	-	+	-	+	-	-	-
Isopropanol	-	+	+	+	+	o	+	+	-	-
Hard wax polish	+	+	+	+	+	+	+	+	o	-
Spirit	o	+	+	o	-	-	+	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, Hard Wax Polish: „Nigrin“ Hard Wax Polish

Appendix 2: Compliance Data

UL – Underwriters Laboratories

File Number: MH27538

This material is UL recognised 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

The UL certification includes the printing with one or more of the following thermal transfer ribbons: Armor “AXR7+”, “AXR8”, “AXR600”, DNP “R510”, “TR6070”, “TR6075”, limak “SP-330”, ITW “B324”, Ricoh “B120Ec” and “B110CX”.

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 for indoor use. Details are listed in the UL file number MH27538. The conditions of acceptance are:

- Affixed to polyester label material, maximum temperature +125°C
Suitable for indoor wet locations
- Affixed to vinyl label material, maximum temperature +60°C
Suitable for indoor wet locations

The C-UL certification includes the printing with one or more of the following thermal transfer ribbons: limak “SP-330”, Ricoh “B120Ec” and DNP “TR6075”.

Avery Dennison Materials Group Europe

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Warranty

All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes.

Avery Dennison products are warranted to be free of defects in material or workmanship for a period of one year from the date of shipment. Should a defect be communicated to Avery Dennison within that time frame, Avery Dennison will evaluate and determine the existence of the defect and further decide, at its sole discretion, to either replace the defective product without charge or compensate it with a credit note in such amount as Avery Dennison deems reasonable. Avery Dennison shall have no responsibility beyond the replacement value of the defective product nor shall in any way be liable or responsible for consequential or incidental damages.



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