

Facestock

A gloss white polyester film. The smooth surface is covered with a topcoat for excellent ink anchorage.

Basis Weight	76 g/m ²	ISO 536
Caliper	52 µm	ISO 534

Adhesive

S8087 is a static dissipative, solvent acrylic adhesive.

Liner

BG55WH, a white supercalendered glassine paper.

Basis Weight	90 g/m ²	ISO 536
Caliper	76 µm	ISO 534

Laminate

Total Caliper	152 µm±10%	ISO 534
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Performance Data

Initial Tack	7 N/25mm	FTM 9 stainless steel
Min. Application Temp.	4 °C	
Service Temperature	-40 °C to 150 °C	
Adhesive Coat Weight	24 g/m ²	FTM12
Adhesive Type	solvent acrylic adhesive	
Peel Adhesion 180°	8,5 N/25mm	FTM 2 st.st.
	aço inox - 20 min	24hr

Adhesive Performance

S8087 is a static dissipative adhesive.

Applications and Use

PET ESD white TOP / S8087 is designed for labelling of printed circuit boards and other electronic equipment. The material complies with ANSI/ESD S541-2008 "Packaging Material Standards for ESD Sensitive Items"(between 10⁴ and 10¹¹ ohms). The surface resistivity of the adhesive is 4,1 x 10⁸ ohms/sq (Test Method EOS/ESD S11.11).

Conversion and Printing

Thanks to the special surface coating, excellent results can be achieved with thermal transfer printers using resin ribbons. In addition to thermal transfer printing the product can also be printed by all conventional roll label techniques, such as flexo, UV letterpress, silkscreen.

For special requirements we strongly recommend application tests.

For easy diecutting sharp corners should be avoided.

Compliance and Approvals

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

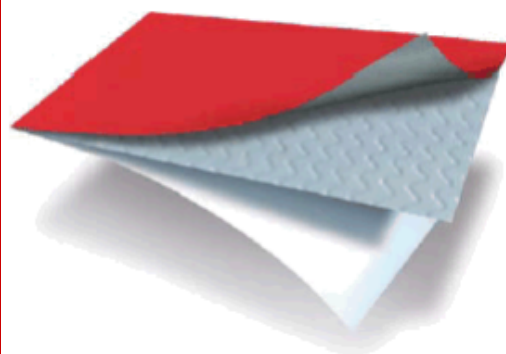
Shelf Life

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.

AU978

Fasson ®

**PET ESD WHITE TOP
S8087-BG55WH**



PET ESD WHITE TOP

S8087

BG55WH

*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*

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	11,0
Aluminum	21,5
Automotive lacquered panels	11,5
Glass	10,5
HDPE	4,0
LDPE	3,0
PA6	13,0
Stainless Steel	10,5

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	11,5	No change	0 mm
Diesel	Glass	11,0	No change	0 mm
Engine Oil	Glass	12,0	No change	0 mm
Gasoline	Glass	8,0	No change	4 mm
Heptane	Glass	10,5	No change	4 mm

Chemicals:

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	30	++	B	++	++
DNP R300	3	30	++	B	++	++
DNP R510	3	30	++	B	++	++
limak SP330	4	30	++	B	++	++
ITW B324	3	30	++	B	++	++
Ricoh B110CR	4	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

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+	R300	R510	SP330	B324	B110 CR
Anti-Freeze	+	+	+	+	+	+
Brake fluid	-	-	+	-	-	-
Cleaner solvent	+	+	+	+	+	+
Engine oil	+	+	+	+	+	+
Gasoline	-	-	-	-	-	-
Biodiesel	+	+	+	+	+	+
Isopropanol	-	-	o	o	-	-
Hard Wax Polish	+	+	+	+	+	+

+: 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

Compliance Data

UL – Underwriters Laboratories (UL 969, Category PGJ12)

File Number: MH27538, Category PGJ12

This material is UL recognized for indoor and outdoor use where exposed to high humidity or occasional exposure to water.

Application Surface	Max Temp (°C)	Min Temp (°C)	I	I/O
Alkyd paint	+150	-40		
Aluminum	+150	-40		
Epoxy	+150	-40		
Galvanized steel	+150	-40		
Stainless steel	+150	-40		

I: indoors, I/O: indoors and outdoors

The UL certification includes the printing with the following thermal transfer ribbons:

DNP "R-510", Ricoh "B110C" and Zebra Technologies "5100".

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Warranty

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