

Facestock

A silver polyester film with backside metallisation. The surface is covered with an absorbing, matt topcoat for very good ink anchorage.

Basis Weight	80 g/m ²	ISO 536
Caliper	55 µm	ISO 534

Adhesive

S8030 is a high strength permanent solvent based acrylic adhesive.

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	132 µm±10%	ISO 534
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Performance data

Initial Tack	22.5 N/25mm	FTM 9 Glass
Min. Application Temp.	7 °C	
Service temperature	-40°C to 150°C	
Peel Adhesion 90°	12 N/25mm	FTM 2 st.st. 24hr
Adhesive Type	Solvent Acrylic	
Adhesive weight	24 g/m ²	FTM12

Adhesive Performance

S8030 features a balanced adhesive performance on a wide variety of substrates including low energy plastics combined with good chemical resistance.

Applications and use

Transfer PET matt silver was specially developed for labels on Durables Goods, especially in the automotive industry. but also in other segments. Identification labels and logistical labels are the main applications. When printed with high quality thermal transfer ribbons, very high chemical resistance of the print can be achieved.

This all-round performing product provides good adhesion onto low surface energy plastics combined with the long term durability expected from a solvent acrylic adhesive.

Conversion & printing

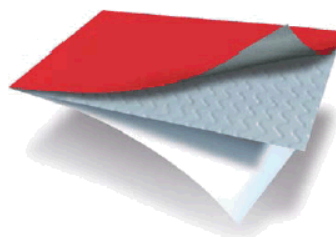
Thanks to the special surface coating, very good results can be achieved with thermal transfer printers equipped with conventional or near-edge print heads and using either wax/resin or pure resin ribbons. In addition the product can also be printed by all conventional roll label techniques, such as flexo, UV letterpress, silkscreen. Specific testing is required. For easy diecutting sharp corners should be avoided.

UL Recognition

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

AD224

Fasson ® TRANSFER PET MATT SILVER - S8030-BG42WH



**TRANSFER PET MATT
SILVER**

S8030

BG42WH

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. 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 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	13,0
Aluminium	13,0
Automotive lacquered panels	14,0
Glass	14,5
HDPE	10,0
LDPE	8,0
PA6	13,0
Stainless Steel	15,0

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	14,0	No change	0
Biodiesel	Glass	13,9	No change	0
Bioethanol E85	Glass	13,1	No change	2
Brake Fluid	Glass	12,0	No change	0
Diesel	Glass	13,0	No change	0
Engine Oil	Glass	12,5	No change	0
Gasoline	Glass	9,0	No change	4
Heptane	Glass	8,0	No change	4
Water, distilled	Aluminium	10,0	No change	0

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 speed energy		Print Quality	ANSI Grade	Scratch resistance	Tape resistance
Armor AXR7+	4	15	+	D ¹	++	++
DNP R300	3	15	++	D ¹	++	+
limak SP330	3	15	++	D ¹	++	o
ITW B324	3	15	+	D ¹	++	o
Ricoh B110A	5	15	++	D ¹	++	++
Ricoh B110CX	3	15	+	D ¹	++	++

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 APR 600	6 "/s	++	D ¹	++	o
DNP TR4500	6 "/s	++	D ¹	++	o
Ricoh B120 Ex2	6 "/s	++	D ¹	++	++

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

¹The print quality is good, but due to the reflection of metallised films the contrast is low

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	SP33 0	B324	B110 A	B110 CX	APR 600	TR 4500	B120E
Ad Blue	+	+	+	+	+	+	+	+	+
Anti-Freeze	+	+	+	+	+	+	o	o	o
Biodiesel	+	+	+	+	o	+	-	-	-
Bioethanol E85	+	+	+	+	o	+	-	-	-
Brake fluid	o	o	+	+	o	o	o	o	o
Cleaner solvent	+	+	+	+	+	+	-	-	-
Engine oil	+	+	+	+	+	+	+	+	+
Gasoline	o	o	o	o	o	o	-	-	-
Hard wax polish	+	+	+	+	+	o	-	-	-
Isopropanol	+	+	+	+	+	+	o	o	o
Spirit	+	+	+	+	+	o	o	o	o

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

Chemicals:

Ad Blue: Aral, Anti-Freeze: Speedfrost "Speedfroil" 1:1 in water, Bioethanol E85: CropEnergies CropPower85

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 (UL969)

File Number: MH27538, Category PGJ12

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

Application Surface	Maximum Temperature (°C)	Minimum Temperature (°C)
Alkyd paint	150	-40
Aluminum	150	-40
Galvanized steel	150	-40
Stainless steel	150	-40
Nylon - Polyamide	100	-40
Polycarbonate	100	-40
Acrylonitrile butadiene styrene (ABS)	80	-40

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

Armor APR5, APR600, AXR 600, AXR 7+, AXR 8, AXR 800
 Astro-med R-5, RV2
 Dainippon TR4500, TR6075
 Graficor GC12, GC14
 ITW B324
 Imak SP-330
 Kurz K501
 Pelikan T001, T016, T064
 Ricoh B110A, B110CX, B120 EC, B120 Ex2

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Warranty

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