

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	50 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	23.5 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
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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 white TOP is designed for conversion into identification, warning and tracking labels for durable goods such as electrical and electronic items.

The face material features excellent thermal transfer printability with resin ribbons thanks to the special surface coating.

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

This product is qualified by EFI Jetrion and Durst for UV inkjet printing. Excellent results can be achieved with thermal transfer printers equipped with conventional or near-edge print heads using resin ribbons.

The product can also be printed by all conventional roll label techniques, including flexo, UV letterpress, silkscreen. Specific testing is required.

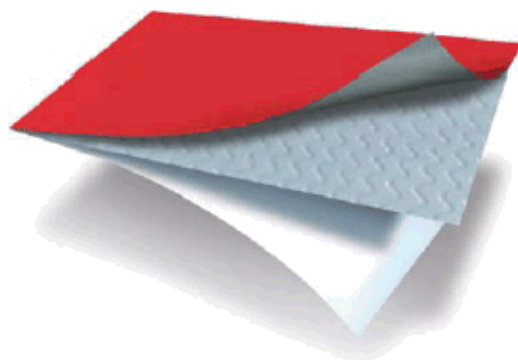
For easy diecutting sharp corners should be avoided.

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.

AD222

Fasson ® TRANSFER PET WHITE TOP - S8030-BG42WH



TRANSF PET WHITE TOP

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+	3	20	++	A	++	++
Armor AXR8	3	15	++	A	++	++
DNP R300	3	15	++	A	++	++
DNP R510	3	20	++	A	++	++
limak SP330	3	15	++	A	++	++
ITW B324	3	15	++	A	++	++
Ricoh B110CR	3	15	++	A	++	++

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 "/s	+	A	++	o
Armor AXR 800	4 "/s	+	B	++	o
Ricoh B120 E	4 "/s	++	A	+	+

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 +	AXR 8	R300	R510	SP33 0	B324	B110 CR	AXR 600	AXR 800	B120 E
Ad Blue	+	+	+	+	+	+	+	+	+	+
Anti-Freeze	+	+	+	+	+	+	+	+	+	+
Biodiesel	+	o	+	+	+	+	+	-	o	-
Bioethanol E85	-	+	+	+	+	+	+	-	o	-
Brake fluid	-	+	+	+	o	+	+	-	o	-
Cleaner solvent	+	+	+	+	+	+	+	-	-	-
Engine oil	+	+	+	+	+	+	+	+	+	o
Gasoline	-	o	-	+	-	-	-	-	-	-
Hard wax polish	+	+	+	+	+	+	+	-	-	-
Isopropanol	+	+	+	+	+	+	+	-	o	-
Spirit	-	+	+	+	+	+	+	-	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)

This material is UL recognized for exposure indoors to high humidity or occasional exposure to water, gasoline or lubricating oils. Details are listed in the UL file MH27538.

Application Surface	Minimum Temperature (°C)	Maximum Temperature (°C)
Alkyd paint	-40	+150
Aluminum	-40	+150
Galvanised steel	-40	+150
Glass	-40	+150
Stainless steel	-40	+150
Nylon – Polyamide	-40	+100
Polycarbonate	-40	+100
Polyethylene terephthalate (PET)	-40	+100
ABS	-40	+80
Polyvinyl fluoride (PVF)	-23	+80

The UL certification includes the printing with EFI Jettrion UV4000 and with the following thermal transfer ribbons:

Armor	AXR 600, AXR 7+, AXR 8, AXR 800
Astro-med	R-5, RAF (Blue), RF, RY
Coding Products	5440 (Red), 5640 (Blue), 5940
Dainippon	R300, R510, R510 (Blue), R510 (Green), R510 (Red), Signature Series (TM) Resin, TR4070, TR6070, TR6075
Dasco	DR 74, DR 84
Datamax	PGR, SDR, SDR Millennium, SDR-4, SDR-5, SDR-6, SDR-7, SDR-A, SDR-D
ITW	B324, M 95, R90, R91
limak	Primemark, Primemark 255, SH-36, SP-330, SP-410, SP-575
Intermec Corp.	053258-2, 054048-4, TMX1500, TMX3200
Italgrafica	TF330, TF335P
Japan Pulp and Paper	Resin 1, Resin 2 (Blue), Resin 2 (Green), Resin 2 (Red)
Japan Pulp and Paper GmbH	Sigma P
Kurz	K300, K500, K501
Mid-City Columbia Inc.	CGL 80HE, MCC-23HE
Monarch	9446
NCR	K3, Matrix Resin, PaceSetter, Perma Max, Promark III, Ultra V
Peak	Ultra Extreme, Ultra Premium
Pelikan	T064
RSI ID Technologies	Pressiza H, Pressiza K, Pressiza R, Pressiza S, Pressiza X
Ricoh	120 EC, B110C, B110CR, B110CX, B120EC
Sato Corp.	Premier 1
Sony Chemicals	4072, 4075, 4080, 4085, 4571, 5070, TRX-75
Union Chemicar America	US300
United Barcode Industries	HR06
Zebra Technologies	5095, 5100, 5175, 5463, 5555, Z-1400, Z-3100, Z-4100

Corp.

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, where exposed to wet locations. The details are listed in the UL file number MH27538.

Group	Application Surface	Max. Temperature (°C)
Metals	Bare, plated or enamelled steel; bare, anodized or enamelled aluminium	+150
Plastic Group III	Polycarbonate, acetates, acrylics	+80
Plastic Group IV	Polyethylene, polypropylene, polybutylene	+60
Plastic Group V	Polyamide, polyimide	+80
Plastic Group VI	ABS, styrene, styrene acrylonitrile	+80

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

Armor	AXR 600, AXR 7+, AXR 8, AXR 800
Astro-med	RAF (Blue), RY
Coding Products	5440 (Red), 5640 (Blue)
Dainippon	R300, R510, R510 (Blue), R510 (Green), R510 (Red), Signature Series (TM) Resin, TR4070, TR6070, TR6075
Datamax	SDR, SDR Millennium, SDR-5, SDR-6, SDR-7, SDR-A, SDR-D
ITW	B324, R90
limak	SP-575
Intermec Corp.	053258-2, 054048-4
Italgrafica	TF330, TF335P
Japan Pulp and Paper	Resin 1
Kurz	K500
Mid-City Columbia Inc.	CGL 80HE, MCC-23HE
NCR	Matrix Resin, Promark III
Peak	Ultra Extreme, Ultra Premium
RSI ID Technologies	Pressiza K, Pressiza S, Pressiza X
Ricoh	B110C, B110CR
Sato Corp.	Premier 1
Sony Chemicals	5070, TRX-75
Union Chemicar America	US300
Zebra Technologies Corp.	5100

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