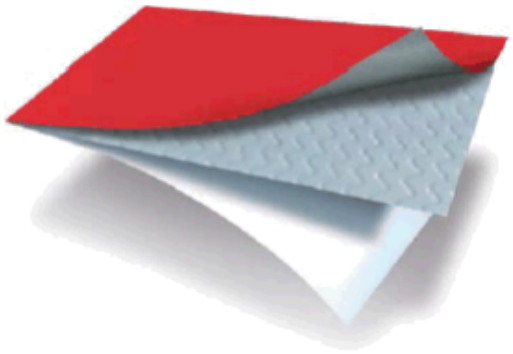
AA670

Fasson ®

TRANSFER PET WHITE TOP S8015-BG42WH FSC



TRANSFER PET WHITE TOP	
S8015	
BG42WH FSC	

Facestock

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

Basis Weight	76 g/m²	ISO 536
Caliper	50 µm	ISO 534

Adhesive

S8015 is a high strength permanent acrylic adhesive featuring high initial tack, adhesion and shear.

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	63 g/m²	ISO 536
Caliper	56 µm	ISO 534
Transparency	50 %	DIN 53147

Laminate

Total Caliper	138 µm±10%	ISO 534

Performance Data

Initial Tack	25 N/25mm	FTM 9 Glass
Peel Adhesion 90°	14 N/25mm	FTM2 st.st.
Min. Application Temp.	7 °C	
Service Temperature	-40 °C to 150 °C	
Adhesive Coat Weight	32 g/m²	FTM12
Adhesive Type	Solvent Acrylic	

Adhesive Performance

The high tack, high coat weight adhesive S8015 is used for difficult substrates, including low surface energy plastics and coatings. It features high chemical and temperature resistance.

Applications and Use

Transfer PET white TOP is designed for conversion into identification, warning and tracking labels for durable goods such as automotive parts, electronic devices and home appliances. This product is distinguished by the high chemical resistance of the thermal transfer print. For special requirements we strongly recommend application tests.

This product is used when an adhesive combining high adhesion on difficult substrates combined with high chemical and temperature resistance is required. Typical application areas include labels in the automotive industry.

Conversion and Printing

Very good results can be achieved with thermal transfer printers equipped with conventional or near-edge print heads using resin ribbons. Transfer PET white TOP can also be printed by all conventional roll label techniques, including flexo, UV letterpress, silkscreen. This material is qualified for UV inkjet printing by the following printer manufacturers: EFI Jetrion, Domino (n610i), Durst (TAU 330 RSC) and Xeikon (PX3000). Results of durability tests are available on request. For easy diecutting sharp corners should be avoided.

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Compliance and Approvals

This product is UL and C-UL recognized (UL 969, CSA C22.2 No. 0.15). 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.

Appendix

UL and CSA recognition

This product meets the requirements as stated in UL 969 and CSA C22.2 No. 0.15 for indoor and outdoor 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	18,5
Aluminium	17,0
Automotive lacquered panels	18,0
Glass	20,5
HDPE	11,3
LDPE	9,0
PA6	19,0
Stainless Steel	19,0

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	15,8	No change	0 mm
Biodiesel	Glass	19,7	No change	0 mm
Bioethanol E85	Glass	14,7	No change	2 mm
Brake Fluid	Glass	20,0	No change	0 mm
Diesel	Glass	19,2	No change	0 mm
Engine Oil	Glass	19,7	No change	0 mm
Gasoline	Glass	10,2	No change	6 mm
Heptane	Glass	12,5	No change	4 mm
Water, distilled	Aluminium	15,1	No change	0 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	20	++	D[1]	++	++
Armor AXR8	3	15	++	D[1]	++	++
DNP R300	3	15	++	D[1]	++	++
DNP R510	3	20	++	D[1]	++	++
Iimak SP330	3	15	++	D[1]	++	++
ITW B324	3	15	++	D[1]	++	++
Ricoh B110CR	3	15	++	D[1]	++	++
Zebra 4800	3	20	++	D[1]	++	++
Zebra 5095	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 AXR 600	4 ”/s	++	D[1]	++	++
Armor AXR 800	4 ”/s	+	D[1]	++	o
Ricoh B120 E	4 ”/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
[1] The 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+	AXR8	R300	R510	SP330	B324	B110CR	Z-4800	Z-5095	AXR 600	AXR 800	B120 E
Ad Blue	+	+	+	+	+	+	+	+	+	+	+	+
Anti-Freeze	+	+	+	+	+	+	+	+	+	+	+	+
Biodiesel	+	o	+	+	+	+	+	+	+	-	o	-
Bioethanol E85	-	+	+	+	+	+	+	-	+	-	o	-
Brake fluid	-	+	+	+	o	+	+	-	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

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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

Compliance Data

UL – Underwriters Laboratories (UL 969, Category PGJI2)

File Number: MH27538, Category PGJI2

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	O
Acrylic paint	150	-23	X	X
Acrylic powder paint	150	-40	X	X
Alkyd paint	150	-40	X	X
Aluminum	150	-40	X	X
Epoxy paint	150	-40	X	X
Epoxy powder paint	150	-23	X	X
Galvanized steel	150	-40	X	X
Polyester paint	150	-23	X	X
Polyester powder paint	150	-40	X	X
Polyurethane powder paint	150	-40	X	X
Porcelain	150	-40	X	X
Stainless steel	150	-40	X	X
Unsaturated polyester - thermoset	150	-23	X	X
Phenolic - Phenol Formaldehyde	100	-40	X	X
Polycarbonate	100	-23	X	X
Nylon - Polyamide	80	-40	X	X
Polyphenylene oxide/ether	80	-40	X	X
Acrylonitrile butadiene styrene	60	-23	X	X
Polyethylene	40	-	X	-
Polypropylene	40	-	X	-
Polystyrene	40	-23	X	-
Polyvinyl chloride	40	-	X	-
Polybutylene terephthalate	100	-23	X	-

I: Indoor use O: outdoor use

The UL certification includes the printing with EFI Jetrion, Jetrion 4000 and the following thermal transfer ribbons:

Armor	AXR 600, AXR 7+, AXR 8
Astro-Nova	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
Iimak	Primemark, Primemark 255, SH-36, SP-330, SP-410
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
RSI ID Technologies	Pressiza H, Pressiza K, Pressiza R, Pressiza S, Pressiza X
Ricoh	120 EC, B110C, B110CR, B110CX
Sato Corp.	Premier 1
Sony Chemicals	4072, 4075, 4080, 4085, 4571, 5070, TRX-75

Appendix

Union Chemicar America	US300
United Barcode Ind.	HR06
Zebra Technologies	5095, 5100, 5175, 5463, 5555, Z-1400, Z-3100, Z-4100

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 and outdoor use.
The details are listed in the UL file number MH27538, Category PGJI8.

Group	Application Surface	Max. Temperature (°C)
Metals	Bare, plated or enamelled steel; bare, anodized or enamelled aluminium	150
Electrostatic Coated Metal A	PolXter powder coat paint	150
Electrostatic Coated Metal B	Acrylic powder coat paint	150
Electrostatic Coated Metal C	Epoxy powder coat paint	150
Electrostatic Coated Metal D	Polyurethane powder coat paint	150
Plastic Group I	Phenolic, melamines, urea fomaldehyde	100
Plastic Group II	Polyphenylene oxide, polyphenylene sulphide	80
Plastic Group III	Polycarbonate, acetates, acrylics	100
Plastic Group IV	Polyethylene, polypropylene, polybutylene	80
Plastic Group V	Polyamide, polyimide	80
Plastic Group VI	ABS, styrene, styrene acrylonitrile	80
Plastic Group VII	PVC (rigid), PVC plasticized	80
Plastic Group VIII	polyester, epoxy plastic, PET, PBT	80
Polybutylene therephthalate		100 (indoor only)

The C-UL certification includes the printing with EFI Jetrion, Jetrion 4000 and the following thermal transfer ribbons:

Armor	AXR 600, AXR 7+, AXR 8
Astro-Nova	RAF (Blue), RY
Coding Products	5440 (Red), 5640 (Blue)
Dainippon	R300, R510, R510 (Blue), R510 (Green), R510 (Red, indoor use only), Signature Series (TM) Resin, TR4070, TR6070, TR6075
Datamax	SDR, SDR Millennium, SDR-5, SDR-6, SDR-7, SDR-A, SDR-D
ITW	R90
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	5100

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