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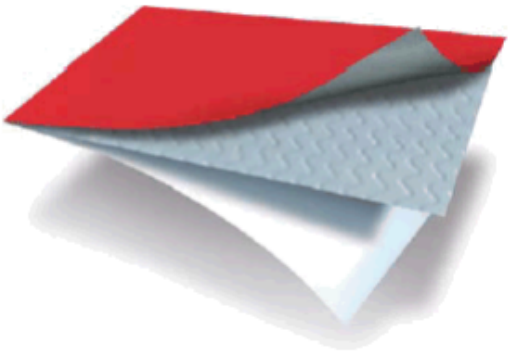
Fasson ®

TRANSFER PET WHITE PT S8002-HF140 FSC



Facestock

A gloss white polyester film. The smooth surface is print treated to achieve good TT printability and ink anchorage.

Basis Weight	71 g/m²	ISO 536
Caliper	50 µm	ISO 534

Adhesive

S8002 is a permanent acrylic adhesive with good initial tack and high ultimate adhesion onto a variety of substrates including apolar plastics and lacquers.

Liner

HF140, a one side coated, bleached kraft 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	135 g/m²	ISO 536
Caliper	142 µm	ISO 534
Transparency	94 %	DIN 63147

Laminate

Total Caliper	218 µm±10%	ISO 534

Performance Data

Initial Tack	12 N/25mm	FTM 9 Glass
Peel Adhesion 90°	10.5 N/25mm	FTM2 st.st.
Min. Application Temp.	5 °C	
Service Temperature	-40 °C to 150 °C	
Adhesive Coat Weight	27 g/m²	FTM12
Adhesive Type	Emulsion Acrylic	

Adhesive Performance

S8002 offers good initial tack and high ultimate adhesion onto a variety of substrates including apolar plastics and lacquers, as well as good resistance to solvents and cleaners. The adhesive has high cohesion and can be used for labelling curved or round substrates.

Applications and Use

Transfer PET White PT is specifically developed for Durable Goods labelling. Typical examples are identification and warning labels on electronic devices and household appliances.

S8002 is specifically developed for labelling electronic, homeappliance and other electrical items due to its good bonding performance on a wide range of polar and apolar surfaces.

The hygroflat backing paper is specially suited to the more critical refanfolding demands of high-speed computer printers, providing optimum layflatness and excellent interfolding characteristics.

Conversion and Printing

The glossy, smooth surface is print treated and can be thermal transfer printed, the best results can be obtained with resin ribbons. It can be printed by all conventional print technologies. This material is qualified for UV inkjet printing by the following printer manufacturers: Domino (n610i), Durst (TAU 330 RSC) and Xeikon (PX3000). Results of durability tests are available on request.

TRANSFER PET WHITE PT	
S8002	
HF140 FSC	

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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

Due to the formulation of S8002, enabling good performance on a wide range of substrates, combined with the specific coat weight, this adhesive has a certain risk of oozing. Rotary die cutting and tools optimised for this material are recommended.

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	13,0
Aluminium	11,5
Automotive lacquered panels	10,5
Glass	12,0
HDPE	7,5
LDPE	8,0
PA6	10,5
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
Ad Blue	Aluminium	11,5	No change	0 mm
Biodiesel	Glass	11,0	No change	0 mm
Bioethanol E85	Glass	11,5	No change	2 mm
Brake Fluid	Glass	11,0	No change	0 mm
Diesel	Glass	11,0	No change	0 mm
Engine Oil	Glass	11,5	No change	0 mm
Gasoline	Glass	8,0	No change	3 mm
Heptane	Glass	10,0	No change	3 mm
Water, distilled	Aluminium	7,5	No change	0 mm
All purpose cleaner	Glass	8,5	No change	0 mm
Bathroom cleaner	Glass	9,0	No change	0 mm
Bleach	Glass	7,5	No change	0 mm
Dishwashing detergent	Glass	9,0	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
All Purpose Cleaner: Sagrotan Sea Breeze (Reckitt Benckiser), Bathroom Cleaner: Cillit Antikalk (Reckitt Benckiser)
Bleach: Danklorix (Colgate Palmoliv) , Dishwashing detergent:: Fairy Lemon (Procter& Gamble)

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	++	B	++	++
Dai Nippon R300	4	15	++	A	++	++
Dai Nippon R510	2	20	++	A	++	++
Ricoh B110Cx	3	10	+	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	o	D	++	o
Armor AXR 800	4 ”/s	++	C	++	-
Ricoh B120 E	4 ”/s	++	C	++	++

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	B110Cx	AXR600	AXR800	B120 E
Ad Blue	+	+	+	+	+	+	+
Anti-Freeze	+	+	+	+	+	+	+
Biodiesel	+	+	+	+	-	-	-
Bioethanol E85	-	+	+	-	-	-	-
Brake fluid	-	o	+	+	-	-	-
Cleaner solvent	o	+	+	+	+	+	+
Engine oil	+	+	+	+	-	-	-
Gasoline	-	-	+	-	-	-	-
Hard wax polish	-	o	+		-	-	-
Isopropanol	o	+	+	o	-	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	-40	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	-40	X	X
Galvanized steel	150	-40	X	X
Polyester paint	150	-40	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
Melamine	100	-40	X	X
Nylon - Polyamide	100	-40	X	X
Phenolic - Phenol Formaldehyde	100	-40	X	X
Polycarbonate	100	-40	X	X
Polypropylene	80	-23	X	X
Unsaturated polyester - thermoset	100	-40	X	X
Acrylonitrile butadiene styrene	80	-	X	-
Polybutylene terephthalate	80	-23	X	X
Polyethylene	80	-	X	-
Polyphenylene oxide/ether	80	-40	X	X
Polystyrene	80	-40	X	X
Polyvinyl chloride	80	-40	X	X
Polyvinyl fluoride	80	-	X	-

I: Indoor use O: outdoor use

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

Armor	AXR 1, AXR 600, AXR 7+
Dainippon	R510
Iimak	SP-330 (indoor use only)
Italgrafica	TF335P
Ricoh	B110C, B110CX
Sony Chemicals	5075

Appendix

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	+125
Plastic Group II	Polyphenylene oxide, polyphenylene sulphide	+80
Plastic Group III	Polycarbonate, acetates, acrylics	+80
Plastic Group V	Polyarmide, polyimide	+80
Plastic Group VI	ABS, styrene, styrene acrylonitrile	+80
Plastic Group VII	PVC (rigid), PVC plasticized	+80
Plastic Group VIII	PET, PBT, epoxy plastic	+80
Polyvinylfluoride (PVF)		+80

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

Armor	AXR 1
Dainippon	R510
Iimak	SP330
Italgrafica	TF335P
Ricoh	B110CX
Zebra Technologies	4400, 5095

Details on suitability of ribbons for outdoor use and additional conditions can be found in the UL Online Certification Directory (https://iq.ul.com/labels/) or via label.support@eu.averydennison.com

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