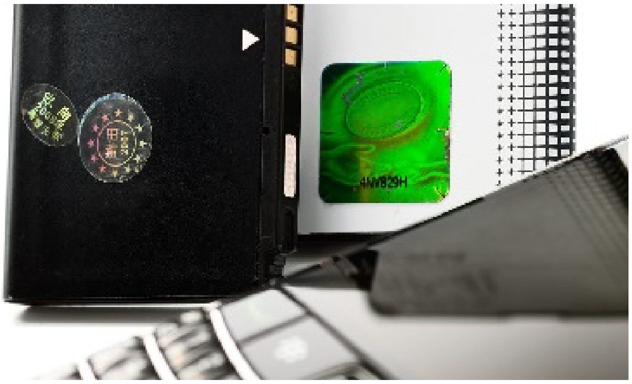

AA672

Fasson ®
TRANSFER PET MATT WHITE - S8015-BG42WH

Matt white polyester material featuring excellent chemical resistance of the thermal transfer print. The high tack solvent acrylic adhesive makes this product ideal for labelling rough plastic surfaces.

Key features

- Good TT printability.
- Very high resistance of TT print against harsh chemicals as used in the automotive industry.
- Solvent acrylic adhesive featuring high tack and peel adhesion on a wide variety of substrates, including low surface energy plastics. Suitable for labelling slightly rough surfaces.
- UL recognised label material.

AA672

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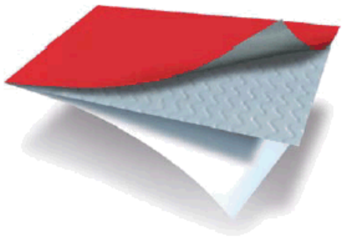

TRANSFER PET MATT WHITE	🟥
S8015	▨
BG42WH	☐

Facestock

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

Basis Weight	74 g/m²	ISO 536
Caliper	55 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.

Basis Weight	64 g/m²	ISO 536
Caliper	57 µm	ISO 534
Transparency	50 %	DIN 53147

Laminate

Total Caliper	140 µm±10%	ISO 534

Performance data

Coat weight	32 g/m²	
Initial Tack	25 N/25mm	FTM 9 Glass
Min. Application Temp.	7 °C	
Service temperature	-40°C to 150°C	
Peel Adhesion 90°	14 N/25mm	FTM 2 st.st. 24hr
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 matt white 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 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 & printing

Thanks to the special surface coating, excellent 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 and CSA Recognitions

This product is UL recognized for indoor and outdoor use, the file number is MH27538.

Shelf life

Two years under storage conditions as defined by FINAT (20-25°C; 40-50%RH)

Appendix 1:
Thermal Transfer Printing:

Printability – Physical Resistance

Flat head printers (tests were performed with the printer Zebra XII 140):

Ribbon	Settings		Print Quality	ANSI Grade	Scratch resistance	Tape resistance
	speed	energy				
Armor AXR7+	4	15	+	A	++	++
DNP R300	3	15	++	A	++	+
Iimak SP330	3	15	++	A	++	o
ITW B324	3	15	+	A	++	o
Ricoh B110A	5	15	++	A	++	++
Ricoh B110CX	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 APR 600	4 ”/s	o	C	++	-
DNP TR4500	4 ”/s	++	B	++	-
Ricoh B120 E	4 ”/s	+	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.

	AXR 7+	R300	SP330	B324	B110A	B110CX	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

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 (mm)
Ad Blue	Aluminium	15,8	No change	0
Biodiesel	Glass	19,7	No change	0
Bioethanol E85	Glass	14,7	No change	2
Brake Fluid	Glass	20,0	No change	0
Diesel	Glass	19,2	No change	0
Engine Oil	Glass	19,7	No change	0
Gasoline	Glass	10,2	No change	6
Heptane	Glass	12,5	No change	4
Water, distilled	Aluminium	15,1	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

Appendix 2:

Compliance Data

UL – Underwriters Laboratories

File Number: MH27538

This material is UL recognized for exposure indoors and outdoors to high humidity or occasional exposure to water.

Substrate	Minimum Temperature (°C)	Maximum Temperature (°C)	I	I/O
Polyvinyl chloride	-	+40	X	
Polyethylene	-	+40	X	
Polypropylene	-	+40	X	
Stainless steel	-40	+150		
Galvanized steel	-40	+150		
Polyurethane powder paint	-40	+150		X
Epoxy paint	-40	+150		X
Porcelain	-40	+150		X
Alkyd paint	-40	+150		X
Aluminum	-23	+150		X
Unsaturated (thermoset) polyester	-23	+150		X
Epoxy powder paint	-23	+150		X
Polyester powder paint	-23	+150		X
Polyester paint	-23	+150		X
Acrylic powder paint	-23	+150		X
Acrylic paint	-23	+150		X
Phenolic	-23	+100		X
Polycarbonate	-23	+100		X
Nylon	-23	+80		X
Polyphenylene oxide	-23	+80		X
ABS	-23	+60		X
Polystyrene	-23	+40		X

I: indoors, I/O: indoors and outdoors

The UL certification includes the printing with one or more of the following thermal transfer ribbons:
Armor “APR5”, “APR600”, “AXR7+”, “AXR8”, Astro-Med “RV2”, “R5”, DNP “TR4500”, “TR6075”, Graficor “GC14”, “GC12”, Iimak “SP330”, ITW “B324”, Kurz “K501”, Ricoh “B-110A”, “B-110CX”, “B120 Ex2”, Pelikan “T016”, “T001”.

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