

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
Calliper: 50 µm ISO 534

Adhesive

S8007 is a general purpose, emulsion acrylic adhesive.

Liner

BG40 Wh: siliconized glassine paper, wood-free, super calandered and extremely tough and tear-resistant despite its thinness. Without back imprint

Basis weight: 62 g/m² ISO 536
Caliper: 55 µm ISO 534
Transparency: 47 % DIN 53147

Laminate

Total caliper: 124 µm ISO 534

Performance data

Initial Tack: 7,5 N/25mm FTM 9 glass
Peel Adhesion: 6,8 N/25mm FTM 2 steel 24 hrs.
Min. application temperature: +5 °C
Service temperature: -40°C to +120°C
Adhesive Type: Emulsion acrylate
Coat weight: 19 g/sqm FTM 12

Adhesive Performance

S8007 is a clear permanent general purpose adhesive featuring good heat and UV resistance together with good adhesion performance.

Applications and use

The material Transfer PET white PT 16 - S8007 was developed as a solution for price sensitive, low-demanding Durables applications.

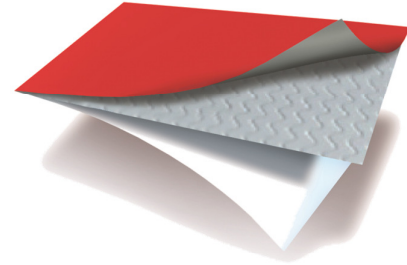
It features good TT printability and chemical resistance. The adhesive is designed for labelling smooth surfaces with a high or medium surface energy like metals or plastics, for example ABS, Polystyrene, Polycarbonate and Nylon.

Nameplates and logistics labels are typical examples.

For special requirements we strongly recommend application tests.

BD843

Fasson® TRANSFER PET White PT16 – S8007 – BG40Wh



Transfer PET White PT16

S8007

BG40Wh

Conversion & printing

This material is designed for thermal transfer printing; see appendix 1 for ribbon recommendations. For best scratch resistance resin ribbons are recommended.

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.

Shelf life

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

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	9,0
Aluminium	9,0
Automotive lacquered panels	7,5
Glass	10,0
HDPE	3,5
LDPE	2,5
PA6	9,0
Stainless Steel	17,0

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	7,8	No change	1
Biodiesel	Glass	9,8	No change	0
Bioethanol E85	Glass	8,6	No change	2
Brake Fluid	Glass	9,6	No change	0
Diesel	Glass	8,8	No change	0
Engine Oil	Glass	9,2	No change	0
Gasoline	Glass	7,3	No change	3
Heptane	Glass	7,0	No change	3
Water, distilled	Aluminium	8,0	No change	3

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		Print Quality	ANSI Grade	Scratch resistance	Tape resistance
	speed	energy				
Armor AXR7+	3	30	++	A	++	++
Armor AXR8	3	30	++	A	++	++
DNP R300	3	30	+	A	++	++
DNP R510	3	30	+	A	++	+
limak SP330	3	30	++	A	++	+
ITW B324	4	30	++	A	++	+
Ricoh B110CR	3	30	++	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	5 "/s	+	A	++	0
Armor AXR 800	4 "/s	-	A	+	0
Ricoh B120 E	8 "/s	++	A	+	-

ANSI (American National Standards Institute) Grade: information about barcode quality

A: excellent B: good C: acceptable D: readable with difficulty

++: excellent +: good 0: 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+	AXR8	R300	R510	SP330	B324	B110 CR	AXR 600	AXR 800	B120 E
Ad Blue	+	+	+	+	+	+	+	+	+	+
Anti-Freeze	+	+	+	+	+	+	+	+	+	+
Biodiesel	+	+	+	+	0	+	+	-	-	-
Bioethanol E85	-	+	+	+	-	-	+	-	-	-
Brake fluid	-	+	0	+	0	-	+	-	-	-
Cleaner solvent	0	+	0	+	0	-	+	-	-	-
Engine oil	+	+	+	+	+	+	+	-	-	-
Gasoline	-	-	-	0	-	-	-	-	-	-
Hard wax polish	-	+	0	+	0	-	+	-	-	-
Isopropanol	0	+	+	+	0	-	+	-	-	-
Spirit	-	+	0	+	0	-	+	-	-	-

+: good (no change) 0: 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

File Number: MH27538

This material is UL recognized for exposure indoors according to UL969 to high humidity or occasional exposure to water. Details are listed in the UL file MH27538.

Substrate	Minimum Temperature (°C)	Maximum Temperature (°C)
Acrylic paint	-40	+150
Acrylic powder paint	-40	+150
Alkyd paint	-40	+150
Aluminum	-40	+150
Epoxy paint	-40	+150
Epoxy powder paint	-40	+150
Galvanized steel	-40	+150
Polyester powder paint	-40	+150
Polyurethane powder paint	-40	+150
Stainless steel	-40	+150
Acrylonitrile butadiene styrene (ABS)	-40	+100
Glass	-40	+100
Polycarbonate	-40	+100
Polybutylene terephthalate (PBT)	-40	+80
Polystyrene (PS)	-40	+80
Polyvinyl chloride (PVC)	-40	+80

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

Armor “AXR-7+”, AXR600”, “AXR800”, DNP “R300”, “R510”, “TR6075”, Iimac “SP-330”, ITW “B324”, “B325”, Ricoh “B110CR” and “B120E”.

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)
Glass		+150
Metals	Bare, plated or enamelled steel; bare, anodized or enamelled aluminium	+150
Electrostatic Coated Metal B	Acrylic powder coat paint	+150
Electrostatic Coated Metal C	Epoxy powder coat paint	+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
Plastic Group VII	PVC (rigid), PVC plasticized	+80
Plastic Group VIII	Glass-filled polyester, glass-filled epoxy	+80

The C-UL certification includes the printing with the following thermal transfer ribbons:
DNP “R300”, “R510”, “TR6075”.

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Warrenty

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