AP046

Fasson ®
TRANSFER PET WHITE
PT12 - S8007-BG40WH

Key features

> Good TT printability.

> Emulsion based general purpose adhesive.

> UL and CSA recognised label material.

AVERY DENNISON | Inspired Brands. Intelligent World.™

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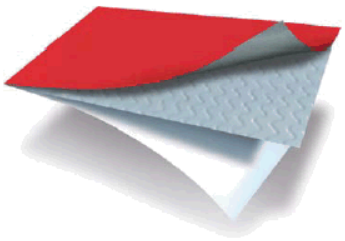

TRANSFER PET WHITE PT12	
S8007	
BG40WH	

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

Basis Weight	70 g/m²	ISO 536
Caliper	50 µm	ISO 534
Maximum Service Temperature	120 °C	

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

Liner
BG40 white, a supercalendered glassine paper.

Basis Weight	61 g/m²	ISO 536
Caliper	54 µm	ISO 534

Laminate

Total Caliper	125 µm±10%	ISO 534

Performance data

Initial Tack	7.5 N/25mm	FTM 9 glass
Min. Application Temp.	5 °C	
Service temperature	-40°C to 120°C	
Peel Adhesion 90°	7 N/25mm	FTM 2 st.st. 24hr
Adhesive Type	Emulsion Acrylic	

Adhesive Performance
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.

Applications and use
The polyester film “Transfer PET white PT 12 was developed as a solution for price sensitive, low-demanding Durables applications. It features good TT printability and chemical resistance.

Conversion & printing
This material is engineered for thermal transfer printing. Best results can be achieved with resin ribbons. Conventional printing (flexo, UV letterpress or silkscreen) is not recommended, and the suitability has to be tested prior use. This product is qualified by Durst for UV inkjet printing.
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)

All data to be considered as typical values and subject to change without prior notice. Further testing is always recommended.

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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	9,0
Aluminium	9,0
Automotive lacquered panels	7,5
Glass	10,0
HDPE	3,5
LDPE	3,0
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 speed energy	Print Quality	ANSI Grade	Scratch resistance	Tape resistance

Armor AXR7+	3	30	++	A	++	++
Armor AXR8	3	30	++	A	++	++
DNP R300	3	30	+	A	++	++
DNP R510	3	30	o	A	++	o
Iimak 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	++	o
Armor AXR 800	4 ”/s	-	A	++	o
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 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+	AXR 8	R300	R510	SP330	B324	B110CR	AXR 600	AXR 800	B120E
Ad Blue	+	+	+	+	+	+	+	+	+	+
Anti-Freeze	+	+	+	+	+	+	+	+	+	+
Biodiesel	+	+	+	+	o	+	+	-	-	-
Bioethanol E85	-	+	+	+	o	-	+	-	-	-
Brake fluid	-	+	o	+	o	-	+	-	-	-
Cleaner solvent	o	+	+	+	o	-	+	-	-	-
Engine oil	+	+	+	+	+	+	+	-	-	-
Gasoline	-	-	-	o	-	-	-	-	-	-
Hard wax polish	-	+	o	+	o	-	+	-	-	-
Isopropanol	o	+	+	+	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

File Number: MH27538

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

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
Nylon – Polyamide	-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”, Iimak “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. The details are listed in the UL file number MH27538.

Group	Application Surface	Max. Temperature (°C)
Electrostatic Coated Metal B	Acrylic powder coat paint	+150
Electrostatic Coated Metal C	Epoxy powder coat paint	+150
Glass	Glass	+150
Metal	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
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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Warranty

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