

#### Facestock

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

Basis Weight	71 g/m <sup>2</sup>	ISO 536
Caliper	50 µm	ISO 534

#### Adhesive

S8020 is a clear permanent adhesive featuring excellent UV resistance and weatherability together with good overall adhesion performance.

#### Liner

BG42 white, a supercalendered glassine paper.

Basis Weight	62 g/m <sup>2</sup>	ISO 536
Caliper	55 µm	ISO 534
Transparency	50 %	DIN 53147

#### Laminate

Total Caliper	126 µm±10%	ISO 534
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#### Performance Data

Initial Tack	7.5 N/25mm	FTM 9 glass
Peel Adhesion 90°	9.5 N/25mm	FTM2 st.st. 24 hrs.
Min. Application Temp.	5 °C	
Service Temperature	-40 °C to 150 °C	
Adhesive Coat Weight	20 g/m <sup>2</sup>	FTM12
Adhesive Type	Emulsion Acrylic	

#### Adhesive Performance

The adhesive S8020 features excellent temperature and UV resistance as well as weatherability. This general purpose adhesive offers good peel adhesion values on high and medium surface energy substrates.

#### Applications and Use

Transfer PET trans TOP is designed for conversion into identification, warning and tracking labels for durable goods and other industrial products. Thanks to the special surface coating, variable information such as batch and part numbers can be printed by thermal transfer. Transfer PET trans Top can also be used as an overlamine to protect the underlying print and improve the rigidity of the base label.

The main area of application for this product is the labelling of industrial products, for example in the electronics and appliance market. Nameplates and logistics labels are typical examples.

#### Conversion and Printing

Very good results can be achieved with thermal transfer printers equipped with conventional or near-edge print heads using resin ribbons. This product is qualified by EFI Jetrion and Durst for UV inkjet printing. Transfer PET trans TOP can also be printed by all conventional roll label techniques, including flexo, UV letterpress, silkscreen. For easy diecutting sharp corners should be avoided.

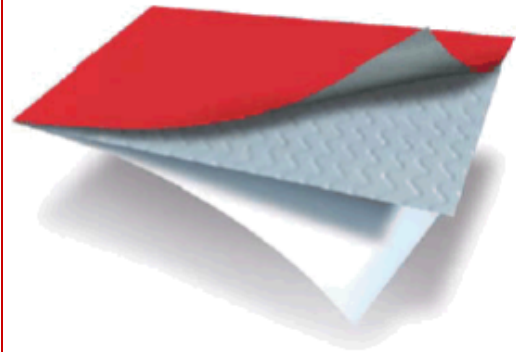
#### Compliance and Approvals

This product is UL recognized (UL 969). The UL file number is MH27538.

## AC397

### Fasson®

#### TRANSFER PET TRANS TOP S8020-BG42WH



TRANSFER PET TRANS TOP

S8020

BG42WH

*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](mailto:datasheet.mgmt@eu.averydennison.com)*

### 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 recognition

This product meets the requirements as stated in UL 969, and is UL recognized 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	9,5
Aluminium	9,5
Automotive lacquered panels	8,0
Glass	10,5
HDPE	4,5
LDPE	4,5
PA6	9,0
Stainless Steel	11,0

### **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	8,9	No change	1 mm
Biodiesel	Glass	10,1	No change	0 mm
Bioethanol E85	Glass	8,4	No change	2 mm
Brake Fluid	Glass	9,8	No change	0 mm
Diesel	Glass	8,6	No change	0 mm
Engine Oil	Glass	9,5	No change	0 mm
Gasoline	Glass	6,8	No change	3 mm
Heptane	Glass	7,2	No change	3 mm
Water, distilled	Aluminium	8,1	No change	3 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		Print Quality	ANSI Grade	Scratch resistance	Tape resistance
	speed	energy				
Armor AXR7+	3	20	++	A*	++	++
Armor AXR8	3	15	++	A*	++	++
DNP R300	3	15	++	A*	++	++
DNP R510	3	20	++	A*	++	++
limak SP330	3	15	++	A*	++	++
ITW B324	3	15	++	A*	++	++
Ricoh B110CR	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 AXR 800	4 "/s	+	B*	++	o
Ricoh B120 E	4 "/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

\*: Based on a white substrate. Readability may vary when applied onto different coloured substrates.

#### 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	+	o	+	+	+	+	+	-	o	-
Bioethanol E85	-	+	+	+	+	+	+	-	o	-
Brake fluid	-	+	+	+	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

#### 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 PGJ12)

File Number: MH27538, Category PGJ12

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)
Alkyd paint	150	-40
Aluminum	150	-40
Galvanised steel	150	-40
Stainless steel	150	-40
Nylon – Polyamide	100	-40
Polycarbonate	100	-40
ABS	80	-40

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

Armor	AXR 600, AXR 7+, AXR 8, AXR 800
Astro-med	R-5, RAF (Blue), RF, RY
Coding Products	5440 (Red), 5640 (Blue), 5940
Dainippon	R300, R510, R510 (Blue), R510 (Green), R510 (Red), 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
Italigrafica	TF330, TF335P
ITW	B324, M 95, R90, R91
limak	Primemark, Primemark 255, SH-36, SP-330, SP-410, SP-575
Intermec Corp.	053258-2, 054048-4, TMX1500, TMX3200
Japan Pulp and Paper	Resin 1, Resin 2 (Blue), Resin 2 (Green), Resin 2 (Red), 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
Pelikan	T064
RSI ID Technologies	Pressiza H, Pressiza K, Pressiza R, Pressiza S, Pressiza X
Ricoh	120 EC, B110C, B110CR, B110CX, B120EC
Sato Corp.	Premier 1
Schreiner	TTR X
Sony Chemicals	4072, 4075, 4080, 4085, 4571, 5070, TRX-75
Union Chemicar America	US300
United Barcode Industries	HR06
Zebra Technologies	5095, 5100, 5175, 5463, 5555, Z-1400, Z-3100, Z-4100

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### Warranty

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