

### Facestock

A matt finished polyester film with backside metallisation. The smooth surface is covered with a topcoat for very good ink anchorage.

Basis Weight	72 g/m <sup>2</sup>	ISO 536
Caliper	50 µm	ISO 534

### Adhesive

S8029 is a rubber hybridised acrylic (RHA) adhesive.

### Liner

BG45 white FSC is a supercalendered glassine paper.

Basis Weight	70 g/m <sup>2</sup>	ISO 536
Caliper	61 µm	ISO 534

### Laminate

Total Caliper	139 µm±10%	ISO 534
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### Performance Data

Initial Tack	20 N/25mm	FTM 9 glass
Peel Adhesion 90°	21 N/25mm	FTM2 st.st.
Min. Application Temp.	5 °C	
Service Temperature	-40 °C to 150 °C	
Adhesive Coat Weight	27 g/m <sup>2</sup>	FTM12
Adhesive Type	rubber hybridised acrylic	

### Adhesive Performance

S8029 combines extremely high final adhesion on a wide variety of surfaces including low surface energy substrates with excellent chemical and temperature resistance.

### Applications and Use

Transfer PET matt chrome TOP was specially developed for labels on Durables Goods, including automotive parts, electronic equipment and home appliances.

This is a premium product for the automotive industry, using Avery Dennison RHA (rubber hybridised acrylic) adhesive technology. It is designed primarily for creating labels to be applied onto low surface energy plastic automotive parts and lacquers. The adhesive is also used in other segments, for example in the appliance and electronics industry, when high peel adhesion on low surface energy substrates is required. S8029 products are engineered to be resistant to - also harsh - chemicals commonly found in the automotive and electronics industry.

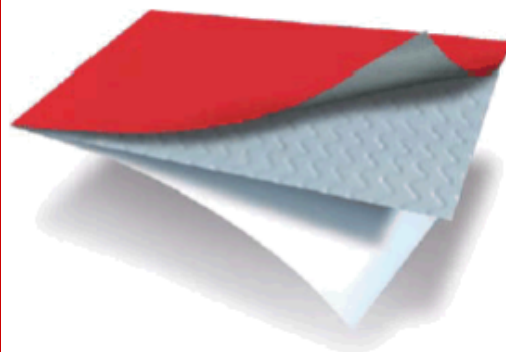
### Conversion and Printing


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 matt chrome TOP can also be printed by all conventional roll label techniques, including flexo, UV letterpress, silkscreen. For easy diecutting sharp corners should be avoided.

## BH781

### Fasson®

#### TRANSF PET MATT CHR TOP S8029-BG45WH FSC



TRANSF PET MATT CHR.TOP	
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S8029	
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BG45WH 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](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 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.

### Compliance with BS 5609

This material complies with BS 5609, Section two, Marine Immersion Test.

## 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	25,5
Aluminium	22,0
Automotive lacquered panels	24,5
Glass	25,0
HDPE	12,5
LDPE	11,0
PA6	23,5
Polycarbonate (PC)	25,5
Polyethylenetherephthalate (PET)	26,5
Stainless Steel	24,0

### **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	11,0	No change	0 mm
Biodiesel	Glass	25,5	No change	0 mm
Bioethanol E85	Glass	23,0	No change	2 mm
Brake Fluid	Glass	27,0	No change	0 mm
Diesel	Glass	24,0	No change	0 mm
Engine Oil	Glass	23,0	No change	0 mm
Gasoline	Glass	21,5	No change	3 mm
Heptane	Glass	21,0	No change	4 mm
Water, distilled	Aluminium	10,0	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

## 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	++	D <sup>1</sup>	++	++
Armor AXR8	3	15	++	D <sup>1</sup>	++	++
DNP R300	3	15	++	D <sup>1</sup>	++	++
DNP R510	3	20	++	D <sup>1</sup>	++	++
limak SP330	3	15	++	D <sup>1</sup>	++	++
ITW B324	3	15	++	D <sup>1</sup>	++	++
Ricoh B110CR	3	15	++	D <sup>1</sup>	++	++
Zebra 4800	3	20	++	D <sup>1</sup>	++	++
Zebra 5095	3	15	++	D <sup>1</sup>	++	++

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	++	D <sup>1</sup>	++	++
Armor AXR 800	4 "/s	+	D <sup>1</sup>	++	o
Ricoh B120 E	4 "/s	++	D <sup>1</sup>	+	+

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

<sup>1</sup> The print quality is good, but due to the reflection of metallised films the contrast is low

#### 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	B110CR	Z-4800	Z-5095	AXR 600	AXR 800	B120 E
Ad Blue	+	+	+	+	+	+	+	+	+	+	+	+
Anti-Freeze	+	+	+	+	+	+	+	+	+	+	+	+
Biodiesel	+	o	+	+	+	+	+	+	+	-	o	-
Bioethanol E85	-	+	+	+	+	+	+	-	+	-	o	-
Brake fluid	-	+	+	+	o	+	+	-	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)
Acrylic powder paint	150	-40
Aluminum	150	-40
Epoxy powder paint	150	-40
Galvanised steel	150	-40
Polyester powder paint	150	-40
Polyurethane powder paint	150	-40
Stainless steel	150	-40
ABS	80	-40
Polyphenylene oxide/ether (PPOX)	80	-40
Polystyrene (PS)	80	-40
Chromate treated metal	150	-40
Alkyd paint	125	-40
Acrylic paint	100	-40
Epoxy paint	100	-40
Polyester paint	100	-40

The UL certification includes the printing with EFI Jetrion, Jetrion 4000 and the following thermal transfer ribbons:

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

## Appendix

### Compliance Data

#### 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 PGJ18.

Group	Application Surface	Max. Temperature (°C)
Metals	Bare, plated or enamelled steel; bare, anodized or enamelled aluminium	150
Electrostatic coated metal A	Polyester powder coat paint	150
Electrostatic coated metal C	Epoxy powder coat paint	150
Electrostatic coated metal D	Polyurethane powder coat paint	150
Plastic Group II	Polyphenylene oxide, polyphenylene sulphide	80
Plastic Group III	Polycarbonate, acetates, acrylics	80
Plastic Group IV	Polyethylene, polypropylene, polybutylene	80
Plastic Group V	Polyamide, polyimide	80
Plastic Group VI	polystyrene, styrene acrylonitrile, ABS	80
Plastic Group VII	PVC (rigid), PVC plasticized	80
Plastic Group VIII	Glass-filled polyester, glass-filled epoxy	80

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Astro-med	RAF, RF, RY
Coding Products	5440 (Red), 5640 (Blue)
Dainippon	R300, R510, R510 (Blue), R510 (Green), R510 (Red, indoor use only), Signature Series (TM) Resin, TR4070, TR6070, TR6075
Datamax	SDR, SDR Millennium, SDR-5, SDR-6, SDR-7, SDR-A, SDR-D
ITW	B324, R90
limak	SP-575
Intermec Corp.	053258-2, 054048-4
Japan Pulp and Paper	Resin 1
Kurz	K500
Mid-City Columbia Inc.	CGL 80HE, MCC-23HE
NCR	Matrix Resin, Promark III
Peak	Ultra Extreme, Ultra Premium
RSI ID Technologies	Pressiza K, Pressiza S, Pressiza X
Ricoh	B110C, B110CR
Sato Corp.	Premier 1
Sony Chemicals	5070, TRX-75
Union Chemicar Am.	US300
Zebra Technologies	5100, 5175

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Warranty

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