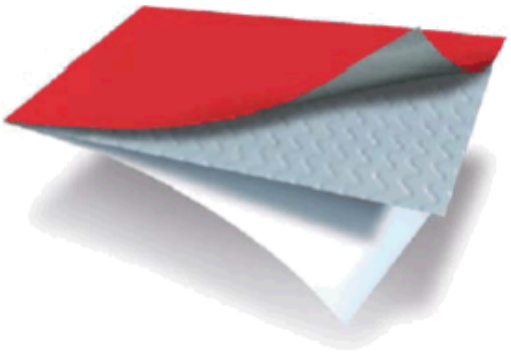
AB048

Fasson ®

PET VOID CHECK MATT CHR S8015-BG42WH FSC



PETVOID CHECK MATT CHR	
S8015	
BG42WH FSC	

Facestock

A matt silver polyester film with backside metallization and tamper proof feature “checkerboard”. The surface is covered with a smooth topcoat designed for thermal transfer printing.

Basis Weight	71 g/m²	ISO 536
Caliper	51 µm	ISO 534
Maximum Service Temperature	120 °C	

Adhesive

S8015 is a high strength permanent acrylic adhesive featuring high initial tack, adhesion and shear.

Liner

BG42 white, a supercalendered glassine paper.

The liner is made from FSC® certified paper (FSC Mix Credit, chain-of-custody number: CU-COC-807907, Licence Code: FSC-C004451).

Basis Weight	63 g/m²	ISO 536
Caliper	56 µm	ISO 534
Transparency	50 %	DIN 53147

Laminate

Total Caliper	133 µm±10%	ISO 534

Performance Data

Initial Tack	26 N/25mm	FTM 9 Glass
Min. Application Temp.	7 °C	
Service Temperature	-40 °C to 120 °C	
Adhesive Type	Solvent Acrylic	
Peel Adhesion 90° - 24hr	14 N/25mm	FTM 2 st.st. 24hr

Adhesive Performance

The high tack adhesive S8015 is used for difficult substrates, including low surface energy plastics and coatings. It features high chemical and temperature resistance.

Applications and Use

Once applied to the substrate on removal, an irreversible “checkerboard” footprint message will detach itself from the face film. Labels which have been removed cannot be reapplied since repositioning will leave visible proof that tampering has taken place. Thanks to the special surface coating, excellent results can be achieved with thermal transfer printers using pure resin or wax / resin ribbons. Typical applications include name plate labels which show tampering and should not be re-usable.

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 and Printing

In addition to thermal transfer printing the product can also be printed by all conventional roll label techniques, such as flexo, UV letterpress, silkscreen. This product is qualified by EFI Jetrion for UV inkjet printing.For easy diecutting sharp corners should be avoided.

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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

Compliance and Approvals

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

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 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	7,5
Aluminium	8,0
Automotive lacquered panels	8,0
Glass	8,0
HDPE	8,0
LDPE	7,5
PA6	8,0
Stainless Steel	8,0

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	6,7	No change	0 mm
Biodiesel	Glass	6,3	No change	2 mm
Bioethanol E85	Glass	8,0	No change	0 mm
Brake Fluid	Glass	7,8	No change	1 mm
Diesel	Glass	8,5	No change	0 mm
Engine Oil	Glass	4,8	No change	3 mm
Gasoline	Glass	5,0	No change	3 mm
Heptane	Glass	7,8	No change	0 mm
Water, distilled	Aluminium	6,7	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	++	B*	++	++
Armor AXR8	4	30	++	C*	++	++
DNP R300	3	30	++	C*	++	++
DNP R510	3	20	++	B*	++	++
Iimak SP330	4	30	++	C*	++	++
Ricoh B110CX	3	10	+	C*	++	+

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*	++	o
Armor AXR 800	4 ”/s	+	D*	++	-
Ricoh B120 E	8 ”/s	++	D*	o	-

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
*: 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	B110 CX	AXR 600	AXR 800	B120E
Ad Blue	+	+	+	+	+	+	+	+	+
Anti-Freeze	+	+	+	+	+	+	+	+	+
Biodiesel	+	+	+	+	+	+	-	o	-
Bioethanol E85	o	+	+	+	+	+	-	o	-
Brake fluid	+	+	+	+	+	+	-	o	o
Cleaner solvent	+	+	+	+	+	+	+	o	-
Engine oil	+	+	+	+	+	+	-	o	-
Gasoline	-	-	-	+	-	-	-	-	-
Hard wax polish	+	+	+	+	+	+	o	o	-
Isopropanol	+	+	+	+	+	+	-	o	-
Spirit	o	+	+	+	+	-	+	o	-

+: good (no change) o: acceptable (minor change, still readable) -: poor

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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 PGJI2)

File Number: MH27538, Category PGJI2

This material is UL recognized for indoor use where exposed to high humidity or occasional exposure to water.

Application Surface	Max Temp (°C)	Min Temp (°C)	I	O
Acrylic paint	150	-23	X	X
Acrylic powder paint	150	-23	X	X
Alkyd paint	150	-40	X	X
Aluminum	150	-23	X	X
Epoxy paint	150	-40	X	X
Epoxy powder paint	150	-23	X	X
Galvanized steel	150	-40	X	X
Polyester paint	150	-23	X	X
Polyester powder paint	150	-23	X	X
Polyurethane powder paint	150	-40	X	X
Porcelain	150	-40	X	X
Stainless steel	150	-40	X	X
Unsaturated polyester - thermoset	150	-23	X	X
Phenolic - Phenol Formaldehyde	100	-23	X	X
Polycarbonate	100	-23	X	X
Nylon - Polyamide	80	-23	X	X
Polyphenylene oxide/ether	80	-23	X	X
Acrylonitrile butadiene styrene	60	-23	X	X
Polyethylene	40	-	X	-
Polypropylene	40	-	X	-
Polystyrene	40	-23	X	X

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

Armor	AXR 600, AXR 7+
Dainippon	R300
Ricoh	B110C
Sony Chemicals	4070, TR4570, TR5070

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 use.
The details are listed in the UL file number MH27538, Category PGJI8.

Group	Application Surface	Max. Temperature (°C)
Metals	Bare, plated or enamelled steel; bare, anodized or enamelled aluminium	150
Plastic Group III	Polycarbonate, acetates, acrylics	100
Plastic Group V	Polyamide, polyimide	80
Plastic Group VI	ABS, styrene, styrene acrylonitrile	80

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

Armor	AXR 7+
Dainippon	R300
Ricoh	B110C

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