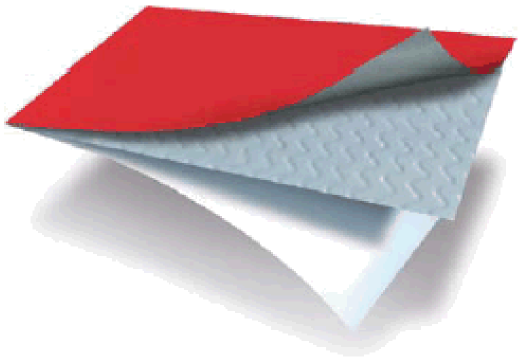
AB048

Fasson ®

PET VOID CHECK MATT CHR - S8015-BG42WH



PETVOID CHECK MATT CHR	🟥
S8015	▨
BG42WH	⬜

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.

Basis Weight	64 g/m²	ISO 536
Caliper	57 µm	ISO 534
Transparency	50 %	DIN 53147

Laminate

Total Caliper	135 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	
Peel Adhesion 90°	14 N/25mm	FTM 2 st.st. 24hr
Adhesive Type	Solvent Acrylic	

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 & 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.

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

One year under storage conditions as defined by FINAT (20-25°C; 40-50%RH)

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	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 (mm)
Ad Blue	Aluminium	6,7	No change	0
Bioethanol E85	Glass	6,3	No change	2
Brake Fluid	Glass	8,0	No change	0
Diesel	Glass	7,8	No change	1
Engine Oil	Glass	8,5	No change	0
Gasoline	Glass	4,8	No change	3
Heptane	Glass	5,0	No change	3
Water, distilled	Aluminium	7,8	No change	0

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	20	++	B[1]	++	++
Armor AXR8	4	30	++	C[1]	++	++
DNP R300	3	30	++	C[1]	++	++
DNP R510	3	20	++	B[1]	++	++
Iimak SP330	4	30	++	C[1]	++	++
Ricoh B110CX	3	10	+	C[1]	++	+

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[1]	++	o
Armor AXR 800	4 ”/s	+	D[1]	++	-
Ricoh B120 E	8 ”/s	++	D[1]	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

[1] 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.

	AXR 7+	AXR8	R300	R510	SP330	B110 CX	AXR 600	AXR 800	B120 E	AXR7 +
Ad Blue	+	+	+	+	+	+	+	+	+	+
Anti-Freeze	+	+	+	+	+	+	+	+	+	+
Biodiesel	+	+	+	+	+	+	-	o	-	+
Bioethanol E85	o	+	+	+	+	+	-	o	-	o
Brake fluid	+	+	+	+	+	+	-	o	o	+
Cleaner solvent	+	+	+	+	+	+	+	o	-	+
Engine oil	+	+	+	+	+	+	-	o	-	+
Gasoline	-	-	-	+	-	-	-	-	-	-
Hard wax polish	+	+	+	+	+	+	o	o	-	+
Isopropanol	+	+	+	+	+	+	-	o	-	+
Spirit	o	+	+	+	+	-	+	o	-	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 (UL969)

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

Application Surface	Minimum Temperature (°C)	Maximum Temperature (°C)
Polyvinyl chloride	-	+40
Polyethylene	-	+40
Polypropylene	-	+40
Stainless steel	-40	+150
Galvanized steel	-40	+150
Polyurethane powder paint	-40	+150
Epoxy paint	-40	+150
Porcelain	-40	+150
Alkyd paint	-40	+150
Aluminium	-23	+150
Unsaturated (thermoset) polyester	-23	+150
Epoxy powder paint	-23	+150
Polyester powder paint	-23	+150
Polyester paint	-23	+150
Acrylic powder paint	-23	+150
Acrylic paint	-23	+150
Phenolic	-23	+100
Polycarbonate	-23	+100
Nylon	-23	+80
Polyphenylene oxide	-23	+80

The UL certification includes the printing with one or more of the following thermal transfer ribbons: Armor “AXR600”, “AXR7+”, DNP “R300”, Ricoh “B110C”, Sony “4070”, “TR4570” and “TR5070”.

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.
Details are listed in the UL file number MH27538.

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

The C-UL certification includes the printing with Armor “AXR7+”, DNP “R300” and Ricoh B110C.

Avery Dennison Materials Group Europe
Willem Einthovenstraat 11
2342 BH Oegstgeest
The Netherlands
+31 (0)85 000 2000

Warranty