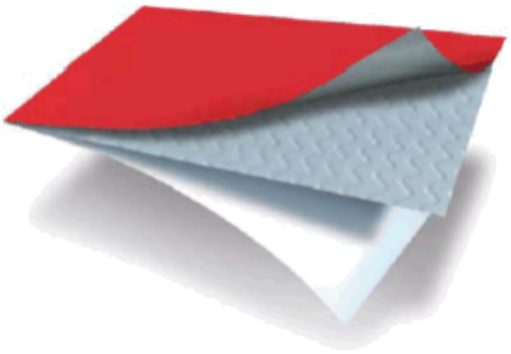
# AE366

# Fasson ®

## TRANSF PET BR CHR TOP S8030-BG42WH FSC



| | |
|---|---|
| TRANSF PET BR CHR TOP | |
| S8030 | |
| BG42WH FSC | |

### Facestock

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

| | | |
|---|---|---|
| Basis Weight | 71 g/m² | ISO 536 |
| Caliper | 50 µm | ISO 534 |
| Maximum Service Temperature | 150 °C | |

### Adhesive

S8030 is a high strength permanent solvent based acrylic adhesive.

### 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 | 130 µm±10% | ISO 534 |

### Performance Data

| | | |
|---|---|---|
| Initial Tack | 16 N/25mm | FTM 9 Glass |
| Peel Adhesion 90° | 12 N/25mm | FTM2 st.st. |
| Min. Application Temp. | 7 °C | |
| Service Temperature | -40 °C to 150 °C | |
| Adhesive Coat Weight | 24 g/m² | FTM12 |
| Adhesive Type | Solvent Acrylic | |

### Adhesive Performance

S8030 features a balanced adhesive performance on a wide variety of substrates including low energy plastics combined with good chemical resistance.

### Applications and Use

This face material was designed for conversion into identification, warning and tracking labels for durable goods such as electrical and electronic items. This product features very good thermal transfer printability with resin ribbons thanks to the special surface coating.

This all-round performing product provides good adhesion onto low surface energy plastics combined with the long term durability expected from a solvent acrylic adhesive.

### Conversion and Printing

Very good results can be achieved with thermal transfer printers equipped with conventional or near-edge print heads using resin ribbons. Due to the high reflection of the metallised film scanning of barcodes might be difficult. The product 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 and C-UL recognized (UL 969, CSA C22.2 No. 0.15). The UL file number is MH27538.

FSC www.fsc.org FSC® C004451

The mark of responsible forestry

*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*

## 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 | 13,0 |
| Aluminium | 13,0 |
| Automotive lacquered panels | 14,0 |
| Glass | 14,5 |
| HDPE | 10,0 |
| LDPE | 8,0 |
| PA6 | 13,0 |
| Stainless Steel | 15,0 |

### 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 | 14,0 | No change | 0 mm |
| Biodiesel | Glass | 13,9 | No change | 0 mm |
| Bioethanol E85 | Glass | 13,1 | No change | 2 mm |
| Brake Fluid | Glass | 12,0 | No change | 0 mm |
| Diesel | Glass | 13,0 | No change | 0 mm |
| Engine Oil | Glass | 12,5 | No change | 0 mm |
| Gasoline | Glass | 9,0 | No change | 4 mm |
| Heptane | Glass | 8,0 | 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 | ++ | -* | ++ | ++ |
| Armor AXR8 | 3 | 15 | ++ | -* | ++ | ++ |
| DNP R300 | 3 | 15 | ++ | -* | ++ | ++ |
| DNP R510 | 3 | 20 | ++ | -* | ++ | ++ |
| Iimak SP330 | 3 | 15 | ++ | -* | ++ | ++ |
| ITW B324 | 3 | 15 | ++ | -* | ++ | ++ |
| Ricoh B110CR | 3 | 15 | ++ | -* | ++ | ++ |

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 | ++ | -* | ++ | ++ |

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 high reflection of the metallised film the printed barcode is not readable

#### 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 |
|---|---|---|---|---|---|---|---|---|
| Ad Blue | + | + | + | + | + | + | + | + |
| Anti-Freeze | + | + | + | + | + | + | + | + |
| Biodiesel | + | o | + | + | + | + | + | - |
| Bioethanol E85 | - | + | + | + | + | + | + | - |
| Brake fluid | - | + | + | + | o | + | + | - |
| Cleaner solvent | + | + | + | + | + | + | + | - |
| Engine oil | + | + | + | + | + | + | + | + |
| Gasoline | - | o | - | + | - | - | - | - |
| Hard wax polish | + | + | + | + | + | + | + | - |
| Isopropanol | + | + | + | + | + | + | + | - |
| Spirit | - | + | + | + | + | + | + | - |

+: 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 and outdoor use where exposed to high humidity or occasional exposure to water.

| Application Surface | Max Temp (°C) | Min Temp (°C) |
|---|---|---|
| Aluminum | +150 | -40 |
| Epoxy powder paint | +150 | -23 |
| Polyester powder paint | +150 | - |
| Polyurethane powder paint | +150 | - |
| Stainless steel | +150 | -40 |
| Nylon – Polyamide | +100 | -40 |
| Polycarbonate | +100 | -40 |
| ABS | +80 | -40 |
| Polystyrene | +60 | -23 |
| Polyethylene | +40 | - |
| Polypropylene | +40 | - |
| Polyvinyl chrloride | +40 | -23 |

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

| | |
|---|---|
| Armor | AXR 7+, AXR 8 |
| Dainippon | R300, R510, TR6075 |
| Italgrafica | TF330, TF335P |
| ITW | B324 |
| Iimak | SP-330 |
| Ricoh | B110CR |

## 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 |
| Powder coated metal Group C | Epoxy powder coat paint | +150 |
| Plastic Group I | Phenolic, melamines, urea fomaldehyde | +100 |
| Plastic Group II | Polyphenylene oxide, polyphenylene sulphide | +80 |
| Plastic Group III | Polycarbonate, acetates, acrylics | +80 |
| 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:

| | |
|---|---|
| Armor | AXR 7+, AXR 8 |
| Dainippon | R510 |
| Italgrafica | TF335P |
| ITW | B324 |

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

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