

#### Facestock

BG50 WHITE is a wood-free, super calendered siliconized glassine paper without back imprint.

|                             |                     |         |
|-----------------------------|---------------------|---------|
| Basis Weight                | 80 g/m <sup>2</sup> | ISO 536 |
| Caliper                     | 69 µm               | ISO 534 |
| Maximum Service Temperature | 150 °C              |         |

#### Adhesive

S8049 is a rubber hybridised acrylic (RHA) adhesive.

#### Liner

BG50WH BSS: glassine paper, siliconised on both sides, wood-free, super calendered and extremely tough and tear-resistant despite its thinness. Without back imprint.

|              |                     |         |
|--------------|---------------------|---------|
| Basis Weight | 78 g/m <sup>2</sup> | ISO 536 |
| Caliper      | 72 µm               | ISO 534 |

#### Laminate

|               |            |         |
|---------------|------------|---------|
| Total Caliper | 181 µm±10% | ISO 534 |
|---------------|------------|---------|

#### Performance Data

|                        |                                 |                      |
|------------------------|---------------------------------|----------------------|
| Initial Tack           | 25 N/25mm                       | FTM 9 Glass          |
| Peel Adhesion 90°      | 25 N/25mm                       | FTM 2 st.st.<br>24hr |
| Min. Application Temp. | 5 °C                            |                      |
| Service Temperature    | -40 °C to 150 °C                |                      |
| Adhesive Coat Weight   | 45 g/m <sup>2</sup>             | FTM12                |
| Adhesive Type          | rubber<br>hybridised<br>acrylic |                      |

#### Adhesive Performance

S8049 combines extremely high peel adhesion, also on low surface energy substrates, with excellent chemical and temperature resistance.

#### Applications and Use

The transfer tape can be laminated onto papers or films to create a self adhesive label material.

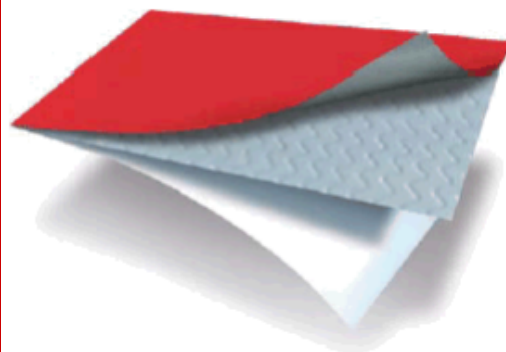
This is a premium product for the automotive industry using Avery Dennison RHA (rubber hybridised acrylic) adhesive technology. It is designed primarily for creating labels to be applied onto low surface energy plastic automotive parts and lacquers or other rough or low surface energy surfaces. S8049 products are engineered to be resistant to - also harsh - chemicals commonly found in the automotive and electronics industry.

Because of the high coat weight and high tack of the adhesive, there is a risk of adhesive ooze. Special care has to be taken in the conversion process. It is recommended to contact the supplier of die cutting equipment to specify the most suitable tool. Good results have been achieved using a 60° cutting angle with laser hardening and a no-stick coating.

## AO530

### Fasson ®

#### TT BG50 WHITE S8049-BG50WH BSS



BG50 WHITE

S8049

BG50WH BSS

*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)*

### Conversion and Printing

The basic application of transfer tape is to transfer adhesives onto filmic or paper materials to create specialised pressure sensitive materials with a high performing adhesive. We recommend dispensing tests under end use circumstances as the dispensing properties to a great extent depend on the stiffness of the face material. Care has to be taken not to damage the roll edges, because such a violation can disturb the release of the first liner from construction.

### 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

The following information is based on testing in combination with a 50µm polyester film as face material.

### 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                              | 35,0   |
| Aluminium                        | 35,5   |
| Automotive lacquered panels      | 35,0   |
| Glass                            | 37,0   |
| HDPE                             | 32,0   |
| LDPE                             | 31,0   |
| PA6                              | 36,0   |
| Polycarbonate (PC)               | 37,0   |
| Polyethylenetherephthalate (PET) | 37,5   |
| Polypropylene (PP)               | 34,0   |
| Polystyrene (PS)                 | 31,0   |
| Stainless Steel                  | 37,0   |

Due to the unique RHA technology we strongly recommend waiting for 24 hours after application before performing any adhesive testing.

#### 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           | Stainless Steel | 28,0   | No change         | 0 mm             |
| Biodiesel         | Stainless Steel | 35,0   | No change         | 0 mm             |
| Bioethanol E85    | Glass           | 29,0   | No change         | 2 mm             |
| Brake Fluid       | Glass           | 35,7   | No change         | 0 mm             |
| Diesel            | Glass           | 34,5   | No change         | 0,5 mm           |
| Engine Oil        | Glass           | 36,5   | No change         | 0 mm             |
| Gasoline          | Glass           | 22,7   | No change         | 4,5 mm           |
| Heptane           | Glass           | 23,5   | No change         | 5 mm             |
| Water, distilled  | Aluminum        | 29,5   | No change         | 0 mm             |
| Windshield washer | Stainless Steel | 31,5   | 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

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Warranty

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