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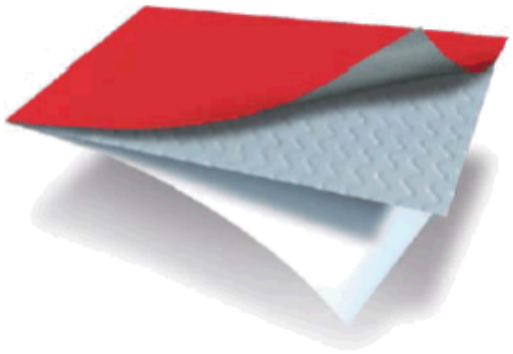
Fasson ®

THERMAL TOP S8 PF FSC R5100-BG40BR



THERMAL TOP S8 PF FSC

R5100

BG40BR

Facestock

A white woodfree, thermal coated paper, with a top and backside protective coating. The black imaging thermosensitive coating provides very good resistance to moisture, fat, oil, alcohol, etc. This product is produced without the use of phenols (Phenols free).

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

Basis Weight	75 g/m²	ISO 536
Caliper	74 µm	ISO 534
Brightness	>87 %	ISO 2470
CIE-whiteness	>105 %	ISO 11475
Opacity	>86 %	ISO 2471
Tensile MD	>4.7 kN/m	ISO 1924
Tensile CD	>2.3 kN/m	ISO 1924
Tear Strength MD	>325 mN	ISO 1974
Tear Strength CD	>370 mN	ISO 1974
Surface smoothness; Bekk	>1000 s	ISO 5627

Adhesive

A general purpose removable, rubber based adhesive.

Liner

BG40 brown, supercalendered glassine paper.

Basis Weight	53 g/m²	ISO 536
Caliper	46 µm	ISO 534

Laminate

Total Caliper	138 µm±10%	ISO 534

Performance Data

Initial Tack	5 N/25mm	FTM 9 Glass
Peel Adhesion 90°	2.5 N/25mm	FTM 2 St.St.
Min. Application Temp.	-20 °C	
Service Temperature	-40 °C to 70 °C	

Adhesive Performance

The adhesive is suitable for general application on a wide range of substrates, featuring good initial tack and adhesion combined with excellent removability. Remark: Application to porous substrates such as paper and board, or prolonged exposure to UV light may adversely affect clean removability.

Applications and Use

This product is ideal for applications such as parking tickets, transportation tickets and receipts.

Heat Resistance - At 90°C the black density of the background image will increase.

- Test method: exposure @ 80°C for 1hr
  - Image Density: >1.20 odu
  - Background Density: <0.20 odu
- Test method: exposure @ 90°C for 1hr
  - Image Density: >1.20 odu
  - Background Density: <0.25 odu

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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

Conversion and Printing

The product can be converted by all conventional roll conversion technologies including: Letterpress, Offset, Screenprinting, UV flexo and Water-based flexo. This product is also suitable for variable information printing in: Direct thermal printing systems at printing speeds up to 200 mm/sec (based on the printer's set up).

IMPORTANT NOTES: Due to the thermographic properties, exposure above 50°C may cause premature imaging or discolouration. Inks containing alcohol or volatile organic solvents may cause discolouration of the thermosensitive coating. It is advisable to test inks and varnishes before conversion.

Compliance and Approvals

The adhesive R5100 is suitable for contact with dry, non-fatty foodstuffs in this construction. For complete information regarding the food contact compliance status, please contact your local sales representative for a Food Contact Statement.

Shelf Life

To obtain optimal performance, use this product within one year 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.

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Warranty
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