

Facestock

A white wood free paper, top-coated with a black imaging thermosensitive coating, providing very good resistance to plasticizers, oil & fat, heat, UV light.

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

Basis Weight	74 g/m ²	ISO 536
Caliper	77 µm	ISO 534
Image Density (Min)	1.30 odu	
Max Print Speed	250 mm/sec	

Adhesive

A general purpose permanent, rubber based adhesive.

Liner

BG40 brown, supercalendered glassine paper.

Basis Weight	54 g/m ²	ISO 536
Caliper	47 µm	ISO 534

Laminate

Total Caliper	137 µm±10%	ISO 534
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Performance Data

Initial Tack	18 N/25mm	FTM 9 Glass
Peel Adhesion 90°	9 N/25mm	FTM 2 St.St.
Min. Application Temp.	0 °C	
Service Temperature	-40 °C to 70 °C	

Adhesive Performance

The adhesive features excellent tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates. Particularly good performance at lower temperatures, e.g. labeling of chilled products.

Applications and Use

This front & back-barried Direct Thermal solution is designed for use in front & back store product labeling where a short term resistance to wet immersion, assortment of chemicals, plasticizers and handling is required. Typical end use application include delicatessen, back of store, item level labelling and moist goods in weigh scale. Long term contact with an assortment of chemicals or long term wet immersion can cause potential image fading. This product is produced without the use of Bisphenol (BP). The product complies with the Swiss ordinance (SR814.81) on the restriction of BPS*. * both Eu and Swiss authorities regulate on a 0.02% trace amount allowance, this is generally considered as free-off BPA or BPS. This direct thermal material is designed for indirect food contact applications, for more information on the exact applications please contact your sales representative.

Conversion and Printing

The product can be converted by all conventional roll conversion technologies including flexographic and UV letter press. However, due to the thermographic properties, exposure above 50°C may cause premature imaging or discoloration. It is advisable to test inks and varnishes before conversion. We generally recommend not to pre-print the label area that needs to be thermally printed.

BG191

Fasson ®

THERMAL 200HD FSC S2045N-BG40BR



THERMAL 200HD FSC

S2045N

BG40BR



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

Compliance and Approvals

The adhesive S2045N is suitable for contact with dry and moist, 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.

Adhesive S2045N has attained the two star certification for biobased content according to EN 16640, meaning that S2045N contains certified Biobased Carbon Content of at least 40%. (TÜV AUSTRIA licensee number: S0259)



*The OK biobased certification is only applicable to the adhesive S2045N.

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.

Avery Dennison Materials Group Europe

Willem Einthovenstraat 11
2342 BH Oegstgeest
The Netherlands
+31 (0)85 000 2000



Warranty

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