

Facestock

A white woodfree, top coated thermal paper, with a black imaging thermosensitive coating providing good resistance to moisture, fat, oil, alcohol. The facestock is made from FSC® certified paper (FSC Mix Credit, chain-of-custody number: CU-COC-807907, Licence Code: C004451).

Basis Weight	76 g/m ²	ISO 536
Caliper	82 µm	ISO 534
Max Print Speed	250 mm/sec	
Image Density (Typical)	1.2 odu	

Adhesive

A general purpose removable, acrylic based adhesive.

Liner

BG40 brown, a supercalendered glassine paper.

Basis Weight	56 g/m ²	ISO 536
Caliper	49 µm	ISO 534

Laminate

Total Caliper	143 µm±10%	ISO 534
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Performance data

Initial Tack	4 N/25mm	FTM 9 Glass
Peel Adhesion 90°	2 N/25mm	FTM 2 St.St.
Min. Application Temp.	-15 °C	
Service temperature	-30°C to 60°C	

Adhesive Performance

The adhesive features good tack and adhesion in combination with superior and clean removability from most substrates. Good UV resistance and long term removability. The adhesive allows label application at a wide temperature range and it retains its removable properties even at very low temperatures.

Applications and use

This Direct Thermal product is designed for use in retail item level applications where some resistance to oil, moisture and heat is required, and some short term wet exposure can be expected. Typical end use applications include front of store labeling and wall-to-wall process tracking. Longer term contact with moisture, oil, fats, plasticisers and exposure to strong lighting can cause potential image fading.

This product is produced without the use of Bisphenol (BP).

R5000N removes clean from many substrates from polymeric (e.g. PET, PP, ABS), card and fibre board, aluminium, stainless steel or glass (not suitable for window labelling). The use of R5000N adhesive on certain types of cardboards, or recycled fibres can be critical and it is strongly recommended to proceed to application testing before use.

Conversion & 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.

Special Approvals

R5000N complies with European food regulation 1935/2004/EC, with the German Recommendation (BfR) XIV

AT093

Fasson®

**THERMAL 200GP FSC - R5000N-
BG40BR**



THERMAL 200GP FSC

R5000N

BG40BR

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

and with FDA § 175.105. It also meets the demands of the limit values laid down in 10/2011/EU. In accordance with the requirements of relevant EU food regulations, the adhesive R5000N may safely stand in direct contact with dry, moist and fatty foodstuffs which have a reduction factor of at least 2 according to the Commission Regulation (EU) No 10/2011, with vegetable oil as fatty food simulant used for migration testing.

Shelf life

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

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Warranty

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