

# DATA SHEET

## AD 186

### 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.

<b>BASIS WEIGHT</b>	76 g/m <sup>2</sup>	ISO 536
<b>CALIPER</b>	82 µm	ISO 534
<b>Image Density (Min)</b>	1.2 odu	
<b>Max Print Speed</b>	200 mm/sec	

### ADHESIVE

A general purpose permanent, rubber based adhesive.

### PERFORMANCE DATA

<b>INITIAL TACK</b>	18 N/25mm	FTM 9 Glass
<b>PEEL ADHESION 90°</b>	9 N/25mm	FTM 2 st.st. 24hr
<b>MIN. APPLICATION TEMP.</b>	0 °C	
<b>SERVICE TEMPERATURE</b>	- 40 °C to 60 °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 Direct Thermal solution is designed for use in logistic labelling as well as retail applications where some resistance to oil, moisture heat and short term exposure to humidity is required. 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). 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.

## **COMPLIANCE AND APPROVALS**

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

Adhesive has attained the two star certification for biobased content according to EN 16640, meaning that contains certified Biobased Carbon Content of at least 40% and up to 60% (TÜV Austria licensee number: S0259).

### **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.