

Top Coated Direct Thermal Paper with a Permanent Adhesive

HERMAtherm top (913)

White thermal paper with protective surface coat on one side (standard top quality without reverse coat)

Specifications

Grammage	[g/m ²]	ca. 72	ISO 536
Caliper	[µm]	ca. 79	ISO 534
Tensile strength MD	[N/15 mm]	ca. 60	DIN 53112
Tensile strength CD	[N/15 mm]	ca. 33	DIN 53112
Stiffness MD	[mN]	ca. 150	DIN 53121
Stiffness CD	[mN]	ca. 80	DIN 53121
Opacity	[%]	ca. 90	ISO 2471
Imaging colour		black	

Applications and use

The surface of HERMAtherm top offers an excellent quality of imprint with all conventional printing methods. Basically, suitability tests of inks should be performed prior to printing. Web temperature during curing should not exceed 50 °C in order to prevent premature imaging or discolouration.

Printing speeds of up to 250 mm/s are possible in thermal direct printing.

HERMAtherm top is universally applicable wherever thermoreactive labels of smudge-proof, solvent and grease resistant papers are required, e.g. weight labels (meat packers, supermarkets) or price marking labels (excellent grades with EAN and UPC-codes).

Due to lacking a reverse coat, labels should not be applied on surfaces containing plasticisers. Applications in humid surroundings are possible.

Regulations concerning contact with food

The thermal paper grade HERMAtherm top (913) according to the sample material is physiologically and toxicologically safe and may therefore be used in printers and scales for the marking of goods. However, they may only stand in direct contact with those foodstuffs which are washed and/or peeled before consumption (ISEGA Research and Development Institute, Aschaffenburg).

Adhesive 62D

Permanent, acrylic based adhesive

Specifications

Tack	high
Peel adhesion	very high
Shear	high
Minimum application temperature	0 °C
Service temperature	-30 °C to +80 °C (up to 200 °C for short periods - hot fusing)
Shelf life	4 years

Applications and use

Adhesive 62D is a universally applicable permanent adhesive. Its wide range of applications include price marking, computer labels and high-quality industrial labels. It is suited for labelling rough but not extremely curved surfaces and is highly resistant to light, heat and ageing.

Characteristics

Excellent die-cutting characteristics on all customary machines.

Regulations concerning contact with food

All ingredients of adhesive 62D comply with recommendations BfR XIV or FDA 21 CFR 175.105 (Adhesives).

All statements, technical information and recommendations regarding HERMA products are given in good faith and are based on tests that we believe to be reliable, but do not constitute a guarantee or warranty. We give no guarantee as to the suitability of the product for a specific application, this should be tested by the user. Unless otherwise agreed in writing, we only accept liability within the scope of our General Terms and Conditions of Delivery and Payment.

HERMA GmbH, Adhesive Material Division, 70791 Filderstadt, Phone +49 (0) 711 7702-0, Fax +49 (0) 711 7702-381