

HERMAtherm K (917)

White thermal paper without protective surface coating (economy quality)

Specifications

Grammage	approx. 70 g/m ²	ISO 536
Caliper	approx. 76 µm	ISO 534
Tensile strength MD	approx. 70 N/15 mm	DIN 53112
Tensile strength CD	approx. 38 N/15 mm	DIN 53112
Stiffness MD	approx. 220 mN	DIN 53121
Stiffness CD	approx. 110 mN	DIN 53121
Opacity	approx. 90 %	ISO 2471
Imaging colour	black	

Application and use

The surface of HERMAtherm K offers a good quality of imprint provided that solvent-free inks and varnishes are applied (ink recommendation list available). The inks should be suitable for printing thermal papers, consulting of ink supplier is recommended.

Basically, suitability tests should be performed under customer-specific conditions as unpredictable interactions with the ink may occur due to the lack of a protective coating. 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 K is well suited as weight label material on food packaging and presents excellent grades with EAN and other barcodes. As economy thermal papers are not equipped with a protective surface coat, they should not be exposed to water or greasy substances. The image may fade over a period of time if applied to surfaces containing plasticisers (e.g. flexible polyvinyl chloride).

The shelf life with the adhesive 62Dps is restricted to two years and with the adhesive 62Gpt to one year after manufacturing.

Regulations concerning contact with food

The thermal paper grade HERMAtherm K (917) 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).

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