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Direct Thermal Paper Label with Removable Adhesive

HERMAtherm K (917)

White thermal paper without protective surface coat
(economy quality)

Specifications			
Grammage	[g/m ²]	ca. 78	ISO 536
Caliper	[µm]	ca. 82	ISO 534
Tensile strength MD	[N/15 mm]	ca. 65	DIN 53112
Tensile strength CD	[N/15 mm]	ca. 35	DIN 53112
Stiffness MD	[mN]	ca. 230	DIN 53121
Stiffness CD	[mN]	ca. 140	DIN 53121
Opacity	[%]	ca. 88	ISO 2471
Imaging colour		black	
Dynamic sensitivity		see graph	

Applications and use

The surface of HERMAtherm K offers a good quality of imprint provided that solvent-free inks and varnishes are applied. Employment of UV-inks is possible when conducting letter-press printing. Basically, suitability tests of inks should be performed prior to printing.

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).

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

HERMAtherm K is well suited as weight label material on food packaging and presents excellent grades with EAN and other barcodes.

Regulations concerning contact with food

HERMAtherm K has been officially approved for contact with food by the independent ISEGA Research and Development Institute, Aschaffenburg.

Adhesive 42R

Removable, acrylic based adhesive

Specifications

Tack	medium
Peel adhesion	low (removable)
Shear	adhesion failure
Minimum application temperature	-20 °C
Service temperature	-40 °C to +50 °C (up to 200 °C for short periods - hot fusing)
Shelf life	1 year

Applications and use

Adhesive 42R offers good tack combined with excellent removability from most surfaces, even after long-term labelling. Thanks to its well-balanced adhesive characteristics this removable adhesive is perfectly suited for a wide variety of applications. However, the low adhesion of 42R is likely to be insufficient for applications on curved surfaces. The adhesive is resistant to light, heat and ageing.

Characteristics

Excellent die-cutting characteristics on all customary machines.

Regulations concerning contact with food

All ingredients of adhesive 42R comply with recommendation 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.

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