

Technical product information

Direct thermal film, white, matte, coated, permanently adhesive

Material code: MR-FD

Status: Feb-26

Upper

White direct thermal film with one-sided protective coating

Feature	Value	Unit	Standard
Basis weight	approx. 52	g/m ²	ISO 536
Thickness	approx. 66	µm	ISO 534
Tensile strength (MD)	approx. 80	N/15 mm	ISO 527
Tensile strength (CD)	approx. 160	N/15 mm	ISO 527
Opacity	approx. 87	%	ISO 2471
Reaction color	Black		

Adhesive

Permanent acrylate-based pressure-sensitive adhesive

Feature	Value
Initial adhesive strength	strong
Final adhesive strength	strong
Shear strength	very strong

Liner

White, supercalendered glassine paper

Feature	Value	Unit	Standard
Basis weight	approx. 54	g/m ²	ISO 536
Thickness	approx. 47	µm	ISO 534

Adhesive bond

Feature	Value	Unit	Standard
Basis weight	approx. 117	g/m ²	ISO 536
Thickness	approx. 123	µm	ISO 534
Minimum bonding temperature	-10	°C	
Application temperature	-30 to 50	°C	

The information available describes the product in its essential technical characteristics. They are for general guidance and do not constitute a guarantee or assurance of specific characteristics. The suitability of the material for the respective application must be checked by the user on his own responsibility. Labelident does not accept any liability beyond the obligations regulated by law or specified in the general terms and conditions of sale. Technical changes in the context of product development are reserved. Labelident is not the manufacturer of the raw material described.

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Shelf life

The material should be stored at a temperature of 20 ± 5 °C and a relative humidity of $45 \pm 5\%$ dry, protected from light and in the original packaging. Moisture, heat and direct sunlight should be avoided. If stored properly, the shelf life is 1 year from the date of manufacture.

Conformities

It must only be in direct contact with food that experience has shown to be washed or peeled before consumption. The pressure-sensitive adhesive used may be in direct contact with dry, moist and greasy foods to which a correction factor of at least 2 can be assigned. In addition, the adhesive has been specially developed to ensure that the label material can be removed from PET and HDPE packaging without leaving any residue in the recycling stream.

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