

DM | Seal Paper

The paper-based packaging solution with integrated heat sealing function

Innovative and sustainable solution

DM | Seal Paper is a paper-based packaging solution to replace heat sealing laminates by materials with a high share coming from renewable sources. The innovative paper from DM includes a dispersion on the reverse side, which offers good heat sealing results.

Applications

DM | Seal Paper is designed for standard flexible packaging in the food and non-food markets, which requires heat sealing properties. This includes primary and secondary packaging.

Product specification DM | Seal Paper

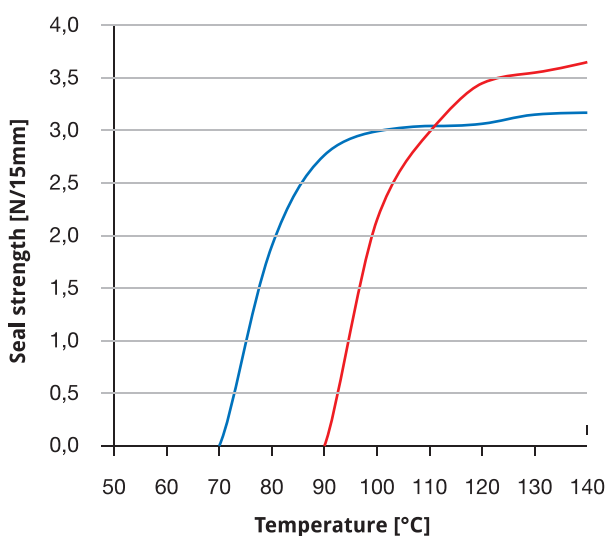
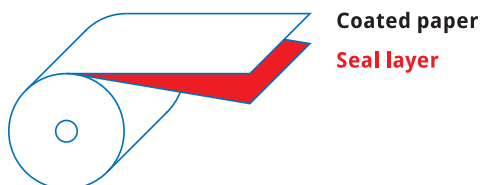
Characteristics	Print Process	Grammages	Heat sealability	Certificates
one side coated paper with heat sealing functionality on reverse side	suitable for gravure and flexo printing	67 g/m ²	100 °C (0.5 s / 3 bar)	FSC® and PEFC™, suitable for direct contact with food.

Features

- ▶ Integrated paper based solution
- ▶ Recyclable in paper-waste-stream
- ▶ Good heat sealing and moisture barrier
- ▶ Competitive pricing
- ▶ Good printing results and openability
- ▶ Suitable for direct food contact
- ▶ Good converting properties

Benefits

- ▶ Excellent optical appearance and tactile properties
- ▶ Natural look and feel
- ▶ High value impression



- DM | Seal Paper 67 g/m² Sealing time: 0.5 seconds
- Paper 50 g/m² + PE 12 Sealing pressure: 3 bars
Sealing area: 10 x 15 mm = 150 mm²

WVTR	DM Seal Paper	Paper 40 / PE 10
WVTR 50RH, 23°C	18 g/m ² .d	6 g/m ² .d

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Preliminary Technical Data Sheet

Grade: DM Seal Paper	Customer:
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Product:	Speciality paper, woodfree, white, glossy, coated, sealable reverse side, suitable for contact with food as per recommendation XXXVI BfR (German Health Administration) and foodstuff law of Austria
Converting:	gravure and flexo printing, sealing
Application:	Flexible Packaging

Version A 03/2018

Property	Unit	Test Method	Typical values
Grammage	g/m ²	DIN ISO 536	67
Thickness	µm	DIN EN 20 534	67
Tensile strength	N	DIN EN 1924 - 2	50 (MD) 28 (CD)
Tensile stretch	%	DIN EN 1924 - 2	1.9 (MD) 6.2 (CD)
Burst	kPa	DIN EN ISO 2758	142
Surface roughness top side	µm	ISO 8791 / 4	2.5
Brightness (R457, D65) top side	%	ISO 2470	94
Opacity	%	ISO 2471	84
Gloss	%	Tappi 75 °	24
Cobb (H ₂ O) top side	g/m ²	DIN EN 20 535	39
Seal strength (120°C, 0.5 s, 3 bar)	N / 15 mm	ASTM F88	3
WVTR (50%RH, 23°C)	g/m ² / day	ISO 2528	18
Moisture content abs.	%	DIN EN 20 287	4.7

Test climate 23° C, 50 % relative humidity, DIN EN 20 187
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Data-Mate Oy

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