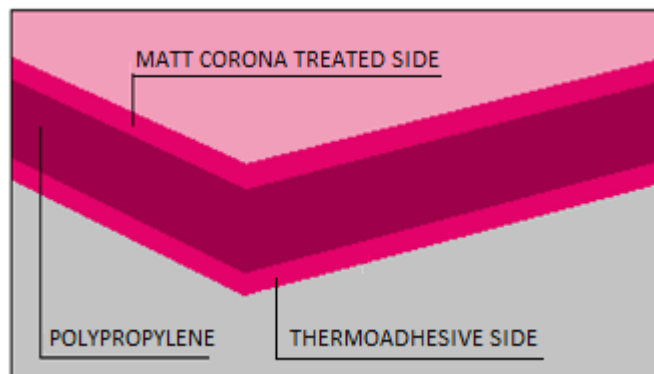


# TECHNICAL DATA SHEET

## TK27 MATT

**TK27 MATT** is a matt bioriented polypropylene film with one side corona treated and the other side coated with adhesive, which is specifically designed for thermal lamination of printed or unprinted paper and cardboard.

*This film is suitable to come into contact with food and complies with EN-71 (declarations on request).*



### TYPICAL TECHNICAL FEATURES <sup>(1)</sup>

PHYSICAL PROPERTIES		METHOD	UNIT	VALUE	
				code 140/50	code 140/02
Thickness		Internal	μm	25 ± 1,25	27
Grammage		Internal	g/m <sup>2</sup>	21,75 ± 1,09	21
Surface tension	corona side	ASTM D2578	dyne/cm	≥ 40	≥ 40

MECHANICAL PROPERTIES		METHOD	UNIT	VALUE	
				code 140/50	code 140/02
Tensile strength at break	MD	ASTM D882	N/mm <sup>2</sup>	110	-
	TD			200	-
Elongation at break	MD	ASTM D882	%	150	-
	TD			70	-

THERMAL PROPERTIES		METHOD	UNIT	VALUE	
				code 140/50	code 140/02
Thermal shrinkage (120°C/5min)	MD	ASTM D1204	%	4,0	-
	TD			2,0	-
Lamination temperature		Internal	°C	95 - 115 <sup>(*)</sup>	100 - 120 <sup>(*)</sup>

<sup>(\*)</sup> variable according to the processing conditions

OPTICAL PROPERTIES		METHOD	UNIT	VALUE	
				code 140/50	code 140/02
Gloss	45°	ASTM D2457	GU	-	< 10
	60°			6,5	-

<sup>(1)</sup> The information and data contained herein are to be used only as a guideline; therefore, ULTRALEN FILM GmbH doesn't offer any guarantee on their absolute truthfulness and doesn't accept any liability arising out of their use.

#### ULTRALEN FILM GmbH

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#### *STORAGE*

Store the material in a dry location (preferably with RH < 50%) at a constant temperature between 10°C and 30°C. Do not leave it exposed to direct sunlight or atmospheric agents. Partially used reels have to be repacked as originally supplied.

#### *WARRANTY*

Material processability is guaranteed up to 6 months since shipment date, as long as it is stored correctly. It is recommended to condition the material at room temperature at least 24 hours before its use.

#### *DISCLAIMERS*

ULTRALEN FILM GmbH gives no warranty, expressed or implied, as to the suitability of the material for a specific application or characteristic use. An industrial homologation test of the material in actual conditions of purpose is always needed in order to verify its suitability for the specific application or characteristic use. Before using the material, it is advisable to check the compatibility of the inks and adhesives to be purposed with the type and level of its treatment.

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