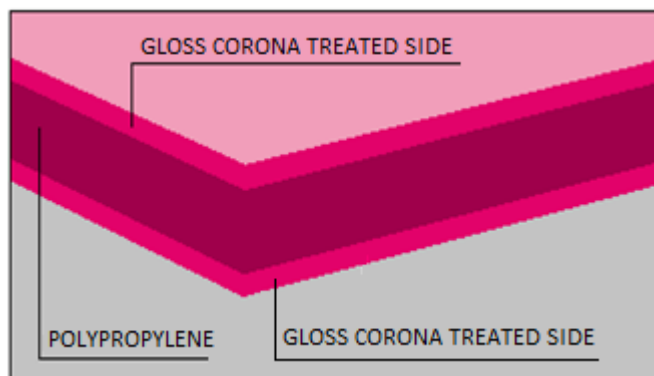


TECHNICAL DATA SHEET

K12 GLOSS

K12 GLOSS is a gloss bioriented polypropylene film with both sides corona treated.

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



TYPICAL TECHNICAL FEATURES ⁽¹⁾

PHYSICAL PROPERTIES		METHOD	UNIT	code 000/02	code 000/45	code 000/50
Thickness		Internal	μm	12 ± 0,36	12	12 ± 0,6
Grammage		Internal	g/m ²	10,86 ± 0,33	10,92	10,92 ± 0,55
COF	dynamic	ASTM D1894	-	0,25 - 0,40	0,30 - 0,40	≤ 0,40
	static		-	-	-	-
Surface tension	corona side	ASTM D2578	dyne/cm	≥ 38	≥ 38	≥ 38

MECHANICAL PROPERTIES		METHOD	UNIT	code 000/02	code 000/45	code 000/50
Tensile strength at break	MD	ASTM D882	kg/cm ²	1.100 - 1.500	1.300	≥ 1.325
	TD			2.400 - 2.800	2.800	≥ 2.450
Elongation at break	MD	ASTM D882	%	130 - 180	180	≤ 180
	TD			30 - 80	70	≤ 65

THERMAL PROPERTIES		METHOD	UNIT	code 000/02	code 000/45	code 000/50
Thermal shrinkage (120°C/5min)	MD	Internal	%	3,0 - 5,0	≤ 5	≤ 6,0
	TD			1,0 - 3,0	≤ 3	≤ 2,5

OPTICAL PROPERTIES		METHOD	UNIT	code 000/02	code 000/45	code 000/50
Gloss	45°	ASTM D2457	GU	≥ 93	95	≥ 88
Haze		ASTM D1003	%	1,2 - 2,0	≤ 2,0	≤ 2,5

⁽¹⁾ 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 $RH \leq 50\%$) 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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