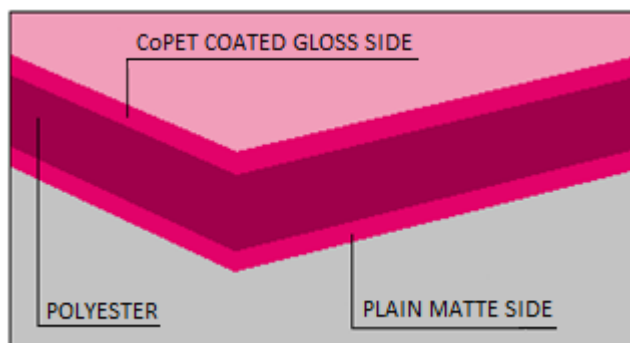


# TECHNICAL DATA SHEET

## K12 PET MATT

**K12 PET MATT** is a bioriented polyester film with one side gloss chemically coated (CoPET) (*outside*) and the other one matte plain.

*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 442/62	code 442/44	
Thickness	Internal	µm	12 ± 0,3	12,00 ± 0,36	
Grammage	Internal	g/m <sup>2</sup>	16,75 ± 0,42	16,80 ± 0,50	
COF ( <i>coated side/coated side</i> )	ASTM D1894	-	static	≤ 0,40	≤ 0,60
			dynamic	≤ 0,38	≤ 0,50
Surface tension	ASTM D2578	dyne/cm	coated side	56 ± 2	56 ± 2
			plain side	44 ± 2	44 ± 2

MECHANICAL PROPERTIES	METHOD	UNIT	VALUE		
			code 442/62	code 442/44	
Tensile strength at break	ASTM D882	kg/cm <sup>2</sup>	MD	≥ 1.900	≥ 1.700
			TD	≥ 1.900	≥ 1.800
Elongation at break	ASTM D882	%	MD	≥ 100	≥ 90
			TD	≥ 90	≥ 85

THERMAL PROPERTIES	METHOD	UNIT	VALUE		
			code 442/62	code 442/44	
Thermal shrinkage (150°C/30min)	ASTM D1204	%	MD	≤ 2,4	≤ 3,0
			TD	≤ 1,0	≤ 1,0

OPTICAL PROPERTIES	METHOD	UNIT	VALUE		
			code 442/62	code 442/44	
Gloss	60°	Internal	GU	40 ± 5,0	-
Haze		ASTM D1003	%	45 ± 5,0	44 ± 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.

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BARRIER PROPERTIES	METHOD	UNIT	VALUE	
			<i>code 442/62</i>	<i>code 442/44</i>
WVTR (38°C/90%RH)	ASTM F1249	g/(m <sup>2</sup> ·24h)	-	≤ 45
O <sub>2</sub> TR (23°C/0%RH)	ASTM D3985	cm <sup>3</sup> /(m <sup>2</sup> ·24h·bar)	-	≤ 150

**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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