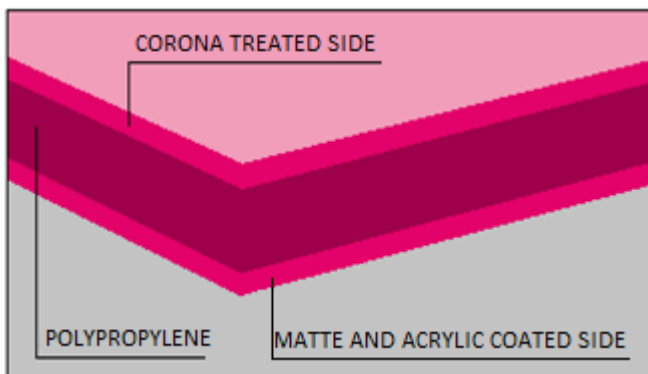


## TECHNICAL DATA SHEET

### K SCUFF FREE MATT

**K SCUFF FREE MATT** is a bioriented polypropylene film with one matte side which is acrylic coated and scratch resistant. The other side is corona treated.



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

PHYSICAL PROPERTIES		METHOD	UNIT	VALUE	
				code 510/22	code 510/23
Thickness		Internal	µm	17	18 ± 0,9
Grammage		Internal	g/m <sup>2</sup>	12,5	16 ± 0,8
COF (coated side/coated side)	dynamic	DIN EN ISO 8295	-	0,40	-
Surface tension	coated side	Internal	dyne/cm	42	≥ 40

MECHANICAL PROPERTIES		METHOD	UNIT	VALUE	
				code 510/22	code 510/23
Tensile strength at break	MD	DIN EN ISO 527	MPa	83,7	-
	TD			190,3	-
Elongation at break	MD	DIN EN ISO 527	%	155	-
	TD			45	-

THERMAL PROPERTIES		METHOD	UNIT	VALUE	
				code 510/22	code 510/23
Thermal shrinkage (120°C/5min)	MD	DIN 53 377	%	1,0	-
	TD			0,0	-

OPTICAL PROPERTIES		METHOD	UNIT	VALUE	
				code 510/22	code 510/23
Gloss	60°	Internal	GU	5,2 ± 0,5	4,5 ± 1
Transparency		ASTM D1003	%	91,6	-
Haze		ASTM D1003	%	72,1	-

<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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#### **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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