

TK ULTRASOFT (BOPP)

Profile:

\* Smooth Velvety matt effect bi-axially oriented thermal polypropylene film. The Ultrasoft coating gives a velvety matt finish with a silky soft to touch finish.

Features:

- \* Good anti-scuff ultra-soft coating
- \* Good antistatic
- \* Good machinability
- \* Good contact clarity, thus enabling the original colour (pantone) to be respected and enhanced
- \* **Not food contact approved (this film is not regulated for direct contact with foodstuffs)**

Applications:

Thermal lamination with all kinds of printed and unprinted paper and paperboards, book covers, posters, magazines, boxes, menu cards diaries and so on.....

TYPICAL PROPERTIES ± 3%	UNIT	TEST METHOD	VALUES
Thickness	Microns	Internal	32
Unit weight	g/m <sup>2</sup>	Internal	30.50
Yield	m <sup>2</sup> /kg	ASTM D-4321	32.79
Surface Tension Ultrasoft coated side (outside)	Dynes/cm	ASTM D-2578	38
Surface Tension Adhesive side (inside)	Dynes/cm	ASTM D-2578	46
Gloss (45°) (Ultrasoft coated side)	Gardiner	ASTM D-2457	5 ~ 6
Recommended laminating temperature	°C	-	100 ~ 120

Storage conditions: For best film performance, keep in normal room temperatures between 18 ~ 21°C and 40% relatively normal humidity and away from direct sunlight.

Other important helpful information:

- \* Make sure printed surface is sufficiently well dried before laminating
- \* It is strongly recommended to handle with care and cleanliness as it may spoil the look by rough handling, and dust or dirt contamination.
- \* Two sides laminating: It is advisable to cool sufficiently one side before proceeding the laminating to the other side.
- \* It is recommended to do the post laminating after 24 hours.

Disclaimer: The producer bases the information provided above on conclusive tests, these values are test results, which are indicative only and provided as guidelines.

Ultralen® registered trademark

The aforementioned data are given most conscientiously but without any obligation. Any processing details are provided merely for guidance, it is the user's responsibility to check the suitability of the product for the intended application.

Warranty: This product has a warranty of 180 days from the delivery date on the invoice; claims after 180 days from the delivery date on the invoice cannot be accepted. Please always keep the full label details of the roll available for warranty purposes, without full label details claims cannot be handled or accepted.

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DECLARATION OF COMPLIANCE

**Important note! This film is only suitable for non-direct contact with foodstuffs; the film must not be used for applications whereas the film comes into direct contact with the foodstuff its self.**

The manufacturer of the TK ULTRASOFT film has confirmed that the film is manufactured in compliance with the regulations mentioned below.

- A. Commission Regulation (EU) N° 10/2011 of 14 January 2011 on plastics and articles intended to come into contact with food (with all amendments: Commission Regulation (EU) N° 321/2011; Commission Regulation (EU) N° 1282/2011; Commission Regulation (EU) N° 1183/2012; Commission Regulation (EU) N° 202/2014; Commission Regulation (EU) N° 174/2015; Commission Regulation (EU) N° 1416/2016, 752/2017 complied, Commission Regulation (EU) N° 79/2018, Commission Regulation (EU) N° 213/2018 complied, Commission Regulation (EU) N° 831/2018 complied, Commission Regulation (EU) N° 37/2019 and Commission Regulation N° 1338/2019.

**Compliance with threshold values:**

- **Overall Migration Limits:**

Testing as per EU N°10/2011

STIMULANT USED	TEST CONDITION	RESULT (mg/dm <sup>2</sup> )	REPORTING LIMIT (mg/dm <sup>2</sup> )	PERMISSIBLE LIMIT (mg/dm <sup>2</sup> )
3% Acetic Acid	10 days at 40°C	N.D	2.0	10
10% Ethanol	10 days at 40°C	N.D	2.0	10
20% Ethanol	10 days at 40°C	N.D	2.0	10
50% Ethanol	10 days at 40°C	N.D	2.0	10
Isooctane	10 days at 40°C	N.D	2.0	10

- **Specific Migration Limit (SML)**

NAME OF SUBSTANCE	CAS N°	(SML) Restriction Limit* (mg/kg)
Homopolymer	9003-07-0	No Restriction
Copolymer	9010-79-0	No Restriction
Silica	7631-86-9	No Restriction
Velvet liquor	-----	No Restriction

- B. Dual use additives:

E-number	Substance
E-551	Silicon Dioxide (SiO <sub>2</sub> )

TK ULTRASOFT (BOPP)**C. Compliance to Regulation EU 1935/2004**

The Manufacturer has confirmed that the plastic materials or articles, products from intermediate stages of manufacture or the substances meet the relevant requirements laid down in this Regulation and in Article 3,11 (5), 15 and 17 of Regulation (EC) N° 1935/2004

**D. Compliance to Regulation 2023/2006**

This film is manufactured in compliance with EU Regulation 2023/2006, Good manufacturing practice / GMP for materials, articles intended to come into contact with foodstuffs.

**E. US FDA Compliance**

This film is manufactured in compliance with US FDA 21 CFR 177.1520 (Olefin Polymers)

**F. REACH Compliance**

This film is manufactured in compliance with the REACH regulation (EC) N° 1907/2006. This film fulfils all requirements of this regulation. This film does not contain any “substances of very high concern” (“SVHC”) with is updated regularly every 6 months. The latest REACH & SVHC is available on request.

**G. EN71-3: 2013 + A2: 2018 – Migration of certain Elements**

This film is manufactured in compliance with EN 71-3: 2013 + A2: 2018 Migration of certain Elements.

**DISCLAIMER:**

The foregoing information regarding this film is provided in good faith and is based upon information in the possession of the films manufacturers / producers as of the date of the response. However, the customer must make their own determination and analysis that use of these products is safe, lawful and technically suitable in their intended use. Since the conditions of use is beyond our control, Ultralen GmbH makes no warranties, express or imply and assume no liability with any use of this information.

Regards:

Ultralen Quality Management:

John Merriman.

31.08.2020

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