

# TECHNICAL DATA SHEET



Article code 02S\_033S

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
- \* Hot foil stamping \* initial tests required.
- \* Printable \* initial tests prior to actual job required.
- \* Suitable for UV Varnishing with most inks and systems (such as MGI). \* Initial tests prior to actual job required. Extra care and tests should be made with two-sided lamination.
- \* **Not suitable 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 $\pm 3\%$	UNIT	TEST METHOD	VALUES
Thickness	Microns	Internal	32
Unit weight Article code 02S/33S	g/m <sup>2</sup>	Internal	30.50/29.69
Yield Article code 02S/33S	m <sup>2</sup> /kg	ASTM D-4321	32.79/33.68
Surface Tension Ultrasoft acrylic side (outside)	Dynes/cm	ASTM D-2578	40
Surface Tension Adhesive side (inside)	Dynes/cm	ASTM D-2578	42
Gloss (45°) (Ultrasoft coated side)	Gardiner	ASTM D-2457	5 ~ 6
Recommended laminating temperature	°C	-	95 ~ 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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Geschäftsführer: Davide Frolidi, Cristiano Conti, Giuliano Porta

Ultralen Film GmbH  
Lustgartenstrasse 6  
DE-79576 Weil am Rhein  
E-Mail: info@ultralen.com  
Internet: www.ultralen.com