

TECHNICAL DATA SHEET

Article codes: 02S_33s

K ULTRASOFT (Bopp)

Profile:

- Smooth Ultrasoft matt, bi-axially oriented polypropylene film. The Ultra-soft coating gives a velvet silky soft to touch finish.

Features:

- Good anti-scuff ultra-soft coating
- Good antistatic
- Good machinability
- Hot foil stamping * initial tests required for suitable foil.
- Printable * initial tests prior to actual job required.

actual job required. Extra care and tests should be made with two-sided lamination.

- Good contact clarity, thus enabling the original colour (pantone) to be respected and enhanced
- *this film is not suitable for direct contact with foodstuffs.

Applications:

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

TYPICAL PROPERTIES $\pm 5\%$	UNIT	TEST METHOD	VALUES
Thickness	Microns	Internal	21
Unit weight Article code 02S / 33S	g/m ²	Internal	18.8/19.38
Yield Article code 02S / 33S	m ² /kg	ASTM D-4321	53.19/51.60
Surface Tension (glossy side / Matt side)	Dynes/cm	ASTM D-2578	38 / 42
Gloss (45°) (Ultrasoft coated side)	Gardiner	ASTM D-2457	8 > 9
Haze (Ultrasoft coated side)	%	ASTM D-1003	85 > 95
Shrinkage (120°C, 5 mins.) MD – TD		ASTM D-1204	2-4 / 1-2

MD = Machine Direction TD = Transverse Direction

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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