

# TECHNICAL DATA SHEET



Article code 300xxxxxxx06S

## K20 AB GLOSS (Bopp)

### Profile:

- Transparent, Bi-axially oriented polypropylene, both-sides acrylic coated wet lamination and packaging film.

### Features:

- Excellent optical properties.
- Good performance on all packaging machines.
- Good dimensional stability & stiffness.
- Good hot tack on both sides.
- Good seal strength, \*Low sealing threshold, \*Broad sealing range.
- Glue-able ("also with water-based adhesives "tests necessary prior to actual job with suitable adhesives").
- Good aroma barrier, Improved barrier to mineral oils compared to non-barrier film.
- Solvent free coatings.
- Both sides printable, \*Ideal support for water based ink printing.

### Applications:

- Wet lamination onto all types of printed and un-printed paper & paperboards, book covers, magazines, wide range of carton boxes, posters and banners ect.

PHYSICAL PROPERTIES $\pm 5\%$		TEST METHOD	UNIT	VALUES
Thickness		Internal	microns ( $\mu\text{m}$ )	20
Grammage (Unit weight)		Internal	$\text{g/m}^2$	18.2
Yield		Internal	$\text{m}^2/\text{kg}$	55
*Acrylic coating can be checked for its presence using solvent-based test ink, but the true measurement is not possible*				
Co-efficient of friction (dynamic film/film)		Internal		0.35
OPTICAL PROPERTIES $\pm 5\%$		TEST METHOD	UNIT	VALUES
Haze		Internal	%	1.4
Gloss ( $45^\circ$ )		Internal		85
MECHANICAL PROPERTIES $\pm 5\%$		TEST METHOD	UNIT	VALUES
Tensile strength at break	MD / TD	200 mm/min pull rate, 120 mm jaw separation	Mpa	160/ 290
Elongation at break	MD / TD	Internal	%	175 / 60
Elastic modulus	MD / TD	Internal	Mpa	2000/3800
THERMAL PROPERTIES $\pm 5\%$		TEST METHOD	UNIT	VALUES
Dimensional stability	MD / TD	$135^\circ\text{C}/275^\circ\text{F}$ , 7 min	%	-6.0 / -5.5
Heat seal range (RDM)	RDM -25N/cm <sup>2</sup> -0.5sec-Flat/Flat			$55^\circ\text{C}$
Minimum Sealing Temperature (Min 300g/25mm)	Acrylic/Acrylic 25N/cm <sup>2</sup> - 0,5 sec - Flat/Flat			$95^\circ\text{C}$
WVTR (38°C- 90% RH)		Internal	$\text{g/m}^2/24 \text{ hr}$	7.0
OXTR. (23°C-0% RH)		Internal	$\text{cm}^2/\text{m}^2/24 \text{ hr}$	1000

MD = Machine Direction. TD = Transverse Direction WVTR = Water vapor transmission OXTR = Oxygen transmission

Storage conditions: For best film performance, the film should be kept in normal room temperatures between  $18 \sim 21^\circ\text{C}$  and relatively normal humidity  $55 \pm 5\%$ .

Disclaimer: The information provided above is to the best of the knowledge of the producer. The values provided are test results, which are indicative only and provided as guidelines.

Ultralen ® registered trademark: The aforementioned data is 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: is 180 days from the date on the invoice, claims after 180 days cannot not be accepted, for warrantee purposes please have available full label information, without this, claims cannot be handled and accepted.

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