

# TECHNICAL DATA SHEET



Article codes 030xxxxxxxx33S

Article codes 145xxxxxxxx33S

## TK22 GLOSS & MATT (Bopp)

### Profile:

- Biaxially oriented Extrusion-coated polypropylene gloss & matt film, with a low melt adhesive resin on one-side for thermal lamination to paper products by heat and pressure.

### Features:

- Good optical properties
- Good machinability
- Good fiber bond strength to paper

### Applications:

- Thermal lamination onto printed & unprinted paper & paperboards, book covers, magazines, boxes, paper bags, menu cards, business cards, posters etc.

TYPICAL PROPERTIES ± 5%	UNIT	TEST METHOD	VALUES: GLOSS / MATT	
Thickness	Microns	Internal	22	22
Unit weight	g/m <sup>2</sup>	Internal	20.31	20.31
Yield	M <sup>2</sup> /kg	ASTM D 4321	49.24	49.24
Coefficient of friction	Dynamic	ASTM D1894	0.3 – 0.5	
Surface tension (film side)	Dynes	ASTM D 2578	38	42
Surface tension (adhesive side)	Dynes	ASTM D 2578	42	42

  

OPTICAL PROPERTIES ± 3%	UNIT	TEST METHOD	VALUES: GLOSS / MATT	
Gloss 45°	-	ASTM D 2457	60.00	6.5

  

MECHANICAL PROPERTIES ± 3%	UNIT	TEST METHOD	VALUES: GLOSS / MATT	
Tensile strength (MD / TD)	N/mm <sup>2</sup>	ASTM D 882	150 / 250	110/200
Tensile elongation (MD / TD)	%	ASTM D 882	170 / 55	150/70
Heat Shrinkage 120°C, 5min (MD / TD)	%	ASTM D 1204	4.5 / 2.0	4.0 / 2.0
Laminating temperature	°C	Internal	90 ~ 100	90 ~ 110

MD = Machine Direction    TD = Transverse Direction

**Recommended storage conditions:** Store in dry, clean location in packed in cardboard box or wrapped in plastic film, away from direct sunlight & heat sources between 18 ~ 25°C relative 40% normal humidity.

**Disclaimer:** The information provided above is to the best of knowledge of the supplier, the values provided are test results, which are indicative only and provided for 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 date on the invoice; claims after 180 days from the 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 normally accepted or handled.

28.02.2023