

THERMAL PREMIUM TOP K BPAF / H2510 / HG65

FACE MATERIAL

A white wood-free, BPA-free printing paper with medium-sensitivity thermal-sensitive coating. The paper has a topcoat for very good protection of the face side of the paper against external influences and a backbarrier for protection of the reverse side against external influences (e.g. special adhesives or plasticizers).

Typical technical values

Basis Weight	76	g/m ²	ISO 536
Caliper	82	μ	ISO 534
Tensile strength MD	min. 4,7	kN/m	ISO 1924-1
Tensile strength CD	min. 2,2	kN/m	ISO 1924-1
Brightness (R457)	91	%	ISO 2469
Smoothness (Bekk)	min.500	sec	ISO 5627
Imaging colour	black		

ADHESIVE

Rubber-resin hotmelt, permanent adhesive.

Typical technical values

Initial Tack (on glass)	14 N	FINAT FTM 9
Adhesion 180° (on glass)	13 N/AT/PT	FINAT FTM 1
Application temperature min.	min. -5 °C	
Service temperature	-40 °C - +60 °C	

BACKING

Yellow, wood-free transparent glassine backing paper. One side siliconised.

Typical technical values

Basis Weight	57	g/m ²	ISO 536
Caliper	49	μ	ISO 534
Tensile strength MD	≥5,0	kN/m	ISO 1924
Tensile strength CD	≥2,6	kN/m	ISO 1924

Adhesive performance

This adhesive is characterized by high initial tack and excellent adhesion on a wide variety of surfaces. It shows excellent adhesion also on slightly chilled surfaces. Not suitable for labelling plasticised PVC surfaces. Heat resistance is weaker compared with dispersion adhesives.

Application and usage

This thermal-sensitive product is design for thermal printing systems at printing speeds up to 250 mm per second. Typical applications for this product include barcode labels for pre-packed food (e.g.meat, fish, poultry, cheese) and industrial barcoding (e.g. in laboratories, in hospitals) when high image performance is required.

Printability

The product can be converted by all conventional roll conversion technologies. Howerer, due to its thermo-graphic properties,exposure to heat above 50°C may cause discoloration. Inks containing alcohol or organic solvents may also cause the discoloration of the thermal-sensitive coating. For the flexographic printing process, UV or water based inks and varnishes are recommended. It is advisable to test the inks and varnishes to be used before conversion.

Shelf life

2 years

Storage conditions

23+/-2°C, 50+/-5% RH

Warranty: All statements and recommendation about BUDAVAL products are based on our most-up-date knowledge, experience and tests believed to be reliable but do not constitute a guarantee or warranty. As the product are used outside our control we cannot take responsibility for any damage which may be caused when using the product. This technical information sheet replaces all earlier ones. All information subject to change whitout notice.

09/2019.