

TECHNICAL DATA SHEET



Article code 810xxxxxxx48S (Gloss) TK HT DIGI ULTRABOND GLOSS (BOPP)

PROFILE:

- Biaxially oriented polypropylene gloss film for thermal Lamination on to digitally printed-paper and paperboard.

This film is specially recommended for digital machines Xerox DocuColor, iGen 3 and Canon YT.

Updated: 28.04.2023



TECHNICAL FEATURES

PHYSICAL PROPERTIES ±3%	TEST METHOD	UNIT	VALUE
Thickness	Internal	Micron (µm)	40
Thickness BOPP / EVA (Adhesive)	Internal	Micron (µm)	12/28
Yield	Internal	m²/kg	28,57
Grammage	Internal	g/m²	35
Surface tension (Adhesive side)	ASTM D 2578	Dyne/cm	45
MECHANICAL PROPERTIES ±3%	TEST METHOD	UNIT	VALUE
Tensile Strength (MD/TD)	ASTM D 882	kg/mm²	15/30
Elongation (MD/TD)	ASTM D 882	%	-
THERMAL PROPERTIES ±3%	TEST METHOD	UNIT	VALUE
Heat Shrinkage (120°C), 15 min.) (MD/TD)	ASTM D 1204	%	3,5/1,4
Lamination temperature*	Internal	°C	85>95
Bonding Strength (Average)	ASTM D 1876	kgf/25mm	>1
OPTICAL PROPERTIES ±3%	TEST METHOD	UNIT	VALUE
Gloss level after lamination	ASTM D 523	GU	>70
Haze after lamination	ASTM D 1003	GU	< 2
Transmittance	ASTM E 1164	%	>80
Reflectivity	ASTM E 1164	%	9

* The actual temperature depends on the specific lamination conditions. MD = Machine Direction. TD = Transverse Direction.

Storage conditions: For best film performance, keep in film in dry, clean location. Preferably wrapped in plastic or packed in a carton box. Store film at room temperatures between 18 ~ 25°C and 40% relatively normal humidity and keep away from heat sources & direct sunlight.

Disclaimer: The producer bases the information provided above on conclusive tests, these values are test results, which are indicative only and provided as guidelines.

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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.

Note! Changes made to the film's original identity such as: applying a surface coating or extrusion coating. This is done at the customers own risk, it is the customer's responsibility to check the film is suitable before a surface coating or extrusion coating is to be done. Claims cannot be accepted after the film has been surface coated or extrusion coated.

Warranty: This product has a warranty of 120 days from the date on the invoice; claims after 120 days from the date on the invoice cannot be accepted. Please always keep the full label details of the film available for warranty purposes, without full label details claims cannot handle or accept.