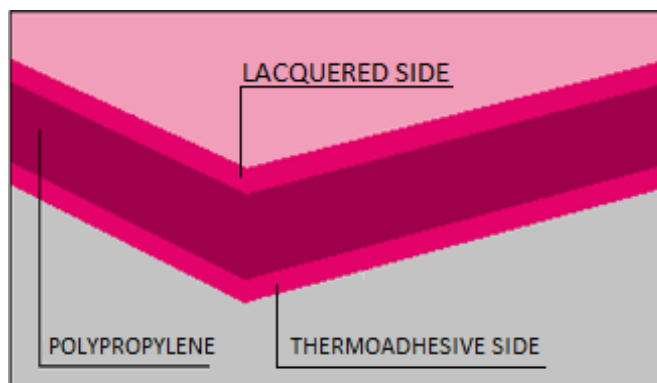


TECHNICAL DATA SHEET

TK DIGI VLR ULTRASOFT

TK DIGI VLR ULTRASOFT is a bioriented polypropylene film with one side (outside) coated with a special lacquer that gives to this surface a super-smooth tactile sensation. The Velour side offers an additional treatment which makes it ideal for digital hot foil, the other side is coated with adhesive, which is specifically designed for thermal lamination of digitally printed paper and cardboard.



TYPICAL TECHNICAL FEATURES ⁽¹⁾

PHYSICAL PROPERTIES	METHOD	UNIT	VALUE code 165/48
Thickness	Internal	µm	36
Grammage	Internal	g/m ²	33,2 ± 2
COF (film/film)	ASTM D1894	%	0,30

THERMAL PROPERTIES	METHOD	UNIT	VALUE code 165/48
Thermal shrinkage (120°C/15min)	ASTM D1204	%	3,5 ± 0,5
			1,4 ± 0,5
Lamination temperature	adhesive side	°C	88 - 100 ^(†)

^(†) variable according to the processing conditions; the value hereby indicated is specific for a Protopic III laminator.

OPTICAL PROPERTIES		METHOD	UNIT	VALUE code 165/48
Gloss (after lamination)	60°	ASTM D2457	GU	10 ± 2
Haze (after lamination)		ASTM D1003	%	≤ 85
Transmittance (after lamination)		ASTM E1164	%	≤ 10
Reflectance (after lamination)		ASTM E1164	%	≥ 85

STORAGE

Store the material in a dry location (preferably with RH < 50%) at a constant temperature between 20°C and 30°C. Do not leave it exposed to direct sunlight or atmospheric agents.

⁽¹⁾ The information and data contained herein are to be used only as a guideline; therefore, ULTRALEN FILM GmbH doesn't offer any guarantee on their absolute truthfulness and doesn't accept any liability arising out of their use.

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Partially used reels have to be repacked as originally supplied.

WARRANTY

Material processability is guaranteed up to 3 months since shipment date, as long as it is stored correctly. It is recommended to condition the material at room temperature at least 24 hours before its use.

DISCLAIMERS

ULTRALEN FILM GmbH gives no warranty, expressed or implied, as to the suitability of the material for a specific application or characteristic use. An industrial homologation test of the material in actual conditions of purpose is always needed in order to verify its suitability for the specific application or characteristic use. Before using the material, it is advisable to check the compatibility of the inks and adhesives to be purposed with the type and level of its treatment.