

TERVAKOSKI FILM

# TBX

## TBX FEATURES

Metallized polypropylene (PP) film with zinc-aluminium alloy heavy edge and pure aluminium active area with even resistivity. High temperature - high dielectric strength base film is manufactured from super clean electric grade PP resins. \*for information about base film parameters please look our webpage (Tervakoski film ECT)

## TYPICAL APPLICATIONS

### DC low voltage capacitors

Suitability of film for concrete application must customer verify by testing

## AVAILABLE THICKNESS RANGE

(THICKNESS BY WEIGHT)

1,9  $\mu\text{m}$  – 14,8  $\mu\text{m}$

Other thicknesses on demand

## AVAILABLE FREE MARGINS

$\geq 1,0\text{mm}$  (step 0,5mm)

Other margins on demand

## AVAILABLE WIDTHS

30 – 150 mm

Other widths on demand

## RESISTIVITY PROFILE ( ALL PRODUCTS )

Heavy edge 2 – 4  $\Omega/\square$  (zinc-aluminium alloy)

Active area 5 – 12  $\Omega/\square$  (aluminium)

Other resistivity on demand

## CUSTOMER ROLL DIAMETERS

**CORE (I.D.):** 75 +1 / -0,5 mm

**ROLL OUTER DIAMETER (O.D.):**

Film thickness [ $\mu\text{m}$ ]	Film width [mm]	Customer roll outer diameter [mm]
$\geq 4,5 \mu\text{m}$	$\leq 110 \text{ mm}$	320 mm +10/-30
	$> 110 \text{ mm}$	290 mm +10/-30
$> 3 \mu\text{m} < 4,5 \mu\text{m}$	all widths	290 mm +10/-40
$\leq 3 \mu\text{m}$	all widths	240 mm +10/-50

Other outer diameters on demand

## METALLIZED PROFILE

Heavy edge  
zinc-aluminium alloy

Active area  
aluminium

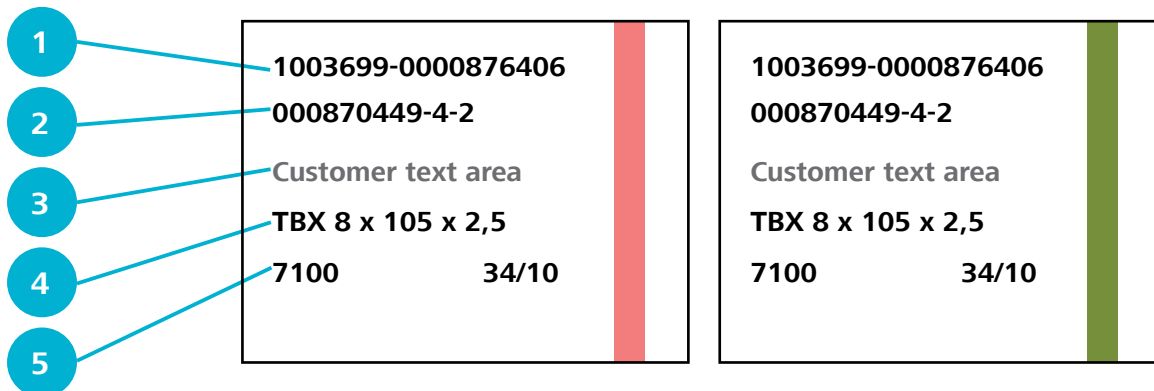
Free margin



Base film:  
TERVAKOSKIFILM ECT  
(for parameters please look our web page)

## LABELLING

Each roll is equipped with a label which is placed on the top of the roll.



### TERVAKOSKI FILMS METALLIZED FILM ROLL LABEL DECODING.

**1. Roll identification data (customer roll – final roll)**

1003699 = Manufacturing batch (lot) number  
0000876406 = roll number (unique identifier)

**2. Mother Roll identification data (source roll)**

000870449 = mother roll number  
4 = slitting set  
2 = slitting position (slitting arm)

**3. Customer text area**

Customer individual text (max 20 characters in text field)

**4. Product name**

Product name Thickness (µm) x width (mm) x free margin (mm).  
TBX 8.0 x 105 x 2.5

**5. Additional information**

7100 = length of the film in the roll (m)  
34/10 = manufacturing week and year.

**COLOR CODE:**

GREEN = right handed roll

RED = left handed roll

In case of any communication please provide data from the first line of label – photocopy of complete label is beneficial.

Optional labels with machine-readable codes available on demand.

(QR code / bar code EAN128)

## PACKING (STANDARD)

A stack of rolls with interleaving discs and protecting discs at the bottom and top is packed into a multilayer aluminium laminate bag with dessicants. The bags are vacuummed, heat sealed and are packed on a wooden pallet. Material on pallet is then further protected and strengthened by cartoon shell. Standard pallet size is 1200 mm x 800 mm.

In overseas shipments the packing unit is further strengthened with wooden crate. In this case the pallet size may vary from the standard size.

## STORAGE

In the handling of pallets and individual rolls all kinds of shocks should be avoided. The rolls should be stored in the original package and in a dry place. Temperature exceeding 40 °C should be avoided during storage. It is also recommended that film is used within 6 months from production date.

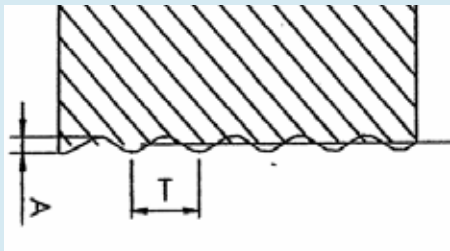
Upon and after opening the original package it is recommended to keep the film in controlled environment with humidity conditions below reference point 50% rH / +23 °C, however decision about real conditions is let to user expertise .

It is required that in cold conditions the rolls must reach room temperature before opening the bag.

## WAVECUT (material code changes to TBXL) - optional

**Wavecut is on free margin side of film, optionally on heavy edge side.**

Wave amplitude peak to peak (A)		0,8mm
Wave period (T)		Typically 6-10 mm
Available widths for wavecut films (other widths on demand)	Wave-Straight [mm]	37,5 / 50 / 62,5 / 70 / 75 / 100 / 110 / 125
	Wave-Wave [mm]	75 / 100 / 125 / 140 / 150 / 200 / 220 / 250



WIDTH OF THE FILM IS MEASURED UP TO MIDDLE OF WAVE

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