

PRODUCT SPECIFICATION

PE (polyethylene) TAPE, printed



Completely recyclable in a
Polyethylene recycling stream

Article, Dimensions:

1013094, 70x0,060 mm *ETTEVAATUST ELEKTRIKAABEL (yellow)*

1037356, 70x0,060 mm *ETTEVAATUST SIDEKAABEL (yellow)*

1025275, 100x0,100 mm *VESI (blue)*

1025276, 100x0,100 mm *MAAGAAS (yellow)*

1025277, 100x0,100 mm *KANAL (beige)*

Raw materials

The film is made of Low Density Polyethylene (LDPE) by the extrusion blowing method.

Additive: yellow, blue or beige masterbatch, printing inks.

The parameters of the product are stated in the agreement of the customer and manufacturer, and in the technical datasheet supplementing the named agreement.

Films parameters and tolerances

	Dimensions	Allowed max tolerance	Specification
Film thickness, mm (average)	0,060; 0,100	± 15%	Estiko-Plastar TTK 2
Width, mm	70; 100	± 3mm	Estiko-Plastar TTK 4
Inside diameter of reel (cardboard core), mm	76,2	± 0,2mm	

Physical-mechanical properties of film

Properties	Typical values	Test method
Tensile strength, N/mm ² Machine direction (MD) Transverse direction (TD)	≥15 ≥14	ISO 527 500 mm/min
Relative breakage elongation, % MD/TD	≥ 250 / 400	ISO 527 500 mm/min
Dynamic friction coefficient (film/film, without print)	≥ 0,30	ISO 8295

Print

Printing on films is made by flexography.

The overprint design, colors and layout on the provided film are stated in the agreement of the customer and manufacturer, and in the technical datasheet supplementing the named agreement.

Resulting from the specifics of flexography and underlay (film is elastic and stretchy) may occur:

some deviations in tones of color - $\Delta E < 3$

deviation of printing step depends on the extruder and width of film –

allowed up to -2% from size of printing sleeve.

Conformity of compliance

The film we deliver is considered to be harmless, do not consist heavy metals Pb, Cd, Hg, Cr(VI) over 100ppm, which is correspondence to *EU Directive 94/62/EC* (Essential Requirements) and the Packaging Act of the Republic of Estonia.

Materials do not contain any substances classified as dangerous to the environment according to Directive 67/548/EEC (Dangerous Substances Directive) and its amendments and classified with the symbol N and the corresponding indication of danger (CR13695-2). This evaluation is based on information provided by our raw material and additive suppliers.

Films are suitable for recycling using modern methods of shredding and cleaning (EN 13430).

PE films are not recoverable through composting and biodegradation.

Storage and handling

The transport of the films must ensure the protection of the film against mechanical damage and smearing.

Polyethylene films should be stored in dry conditions at temperatures below 30 °C, air relative humidity 40-65% and protected from direct sunlight.

The polyethylene is frost resistant material, but the film becomes brittle in cold (below 0°C). For this reason the film does not suffer crushing, tearing and load in cold condition.

Guarantee for roll material is two years from the date of production, if above mentioned conditions are fulfilled.

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The data given in the preceding table represents the average or typical values according to our best knowledge. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose.