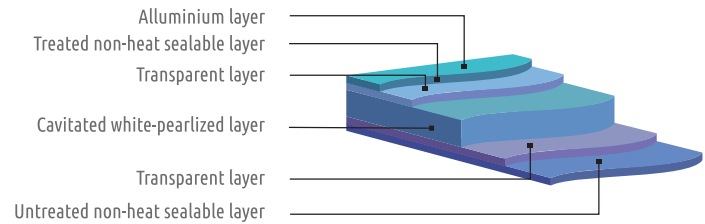


## Description

**BOPP film “label” metallized on a white-nacreous filled base, non-heat sealable, with activation on one side, with a long-term preservation of activation, for the production of labels**



Properties	Unit	Limit	Method	Value	
Thickness*	µm	±5%	ISO 4591, 4593 GOST 17035	35 38	
Density*	g/cm <sup>3</sup>	±10%	WATERFALL PRO	0,70	
Weight m <sup>2</sup> *	g/m <sup>2</sup>	±5%	GOST 13199	24,50 26,60	
Tensile strength*	MD	N/mm <sup>2</sup> (МПа)	not less	80	
	TD			150	
Elongation at break*	MD	%	not more	200	
	TD			70	
Kinetic coefficient of friction**	UT / UT	-	±0,10	ASTM D1894 GOST 27492	0,35
Shrinkage at 120°C, 5 мин*	MD	%	not more	ASTM D1204	4
	TD			2	
Heat sealing strength	-	N/15 mm	-	ASTM F88/F88M, D882 ISO 527	non-heat sealable
Minimal heat sealing temperature	-	°C	-	WATERFALL PRO	non-heat sealable
Surface tension	T	mN/m (dyn/cm)	not less	ASTM D2578 ISO 8296	36
Optical density	T	OD	not less	WATERFALL PRO	1,8

MD – machine direction  
TD – transverse direction

T – treated side  
UT – untreated side

\* these are typical values, guaranteed for the untreated side only. When processing on both sides, this value is not regulated  
\*\* with double-side treatment (if ordered), the activation of the second side (usually the inside of the roll) is not less than 36 mN/m

## Main characteristics

- extra smooth surface and high gloss of metallized side
- excellent adhesion of alluminium layer
- lowered density and high yield
- high level of transparency
- good whiteness

## Application

- for wrap-around label for bottles
- for production of self-adhesive labels
- [For labeling machines](#)
- with production speed of 10 000 – 40 000 bottles/hour
- with the use of cold and molten glue
- [For printing](#)
- high-quality rotogravure and flexographic print
- with the use of special UV-offset and UV-flexo inks with primer coating
- direct

## Storage

- films should be stored on the pallets in a closed dry place and should not be exposed to direct sunlight, at a safe distance of not less than 1 m from heating devices or anything that can cause damage the package
- the film should be kept in workplace not less than 48 hours before being used
- guaranteed storage period – 6 months from production date

## Treatment

- the guaranteed period for maintaining the minimum permissible level of surface tension on the activated film surface from the date of manufacture, subject to proper storage conditions, is 6 months
- in the interests of minimizing the deterioration of surface dressing level, it is recommended to store the film at a temperature of no higher than 30°C and use it in a short time

## Recycling

- in the process of printing and lamination it is recommended to perform corona treatment

## Reeling

- maximum roll diameter 800 mm
- film width in a roll from 290 to 2000 mm
- diameter of paper cores (inside) 76, 152 mm

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