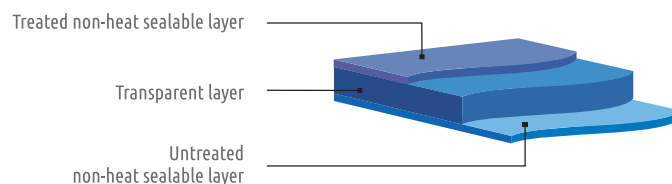


Description

**BOPP film “label” transparent,
non-heat sealable,
with activation on one side,
for the production of labels**



Properties	Unit	Limit	Method	Value		
Thickness	µm	±5%	ISO 4591, 4593 GOST 17035	30	35	40
Density	g/cm ³	±10%	WATERFALL PRO	0,91		
Weight m ²	g/m ²	±5%	GOST 13199	27,30	31,85	36,40
Tensile strength	MD	N/mm ² (Мпа)	not less	ASTM D882 ISO 527 GOST 14236	140	
	TD				280	
Elongation at break	MD	%	not more	ASTM D1894 GOST 27492	200	
	TD				70	
Kinetic coefficient of friction*	UT / UT	-	±0,10	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	
Haze	-	%	not more	ASTM D1003 GOST R 8.829	2,0	
Gloss	T	%	not less	ASTM D2457	85	
Surface tension**	T	mN/m (dyn/cm)	not less	ASTM D2578 ISO 8296	38	

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

- absence of statics
- excellent optical properties
- high print adhesion
- good slip
- high labeling speed

Application

- for cut-and-stack bottle labels
- for the production of self-adhesive labels at 48-60 µm
[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 or reverse print

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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