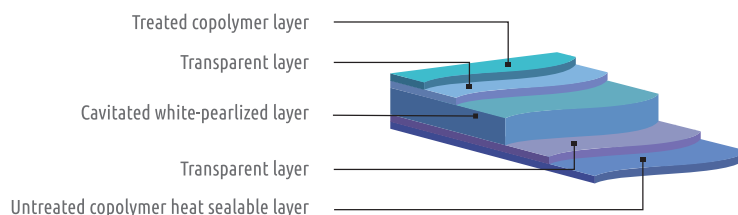


## Description

**BOPP film white-pearl filled,  
heat sealable with an average seal threshold,  
with activation on one side,  
for printing, lamination and packaging,  
in cases requiring protection from UV light**



Properties	Unit	Limit	Method	Value		
Thickness	µm	±5%	ISO 4591, 4593 GOST 17035	30	35	40
Density	g/cm <sup>3</sup>	±10%	WATERFALL PRO	0,72		
Weight m <sup>2</sup>	g/m <sup>2</sup>	±5%	GOST 13199	21,60	25,20	28,80
Tensile strength	MD	N/mm <sup>2</sup> (Мпа)	not less	ASTM D882 ISO 527 GOST 14236	70	
	TD				140	
Elongation at break	MD	%	not more	ASTM D1894 GOST 27492	200	
	TD				60	
Kinetic coefficient of friction*	UT / UT	-	+0,10 -0,15	0,3		
Shrinkage at 120°C, 5 мин	MD	%	not more	ASTM D1204	4	
	TD				2	
Heat sealing strength at 115°C, 1 bar, 1 sec. *	UT / UT	N/15 mm	not less	ASTM F88/F88M, D882 ISO 527	2,5	
Minimal heat sealing temperature not less than 1H/15mm at 1 bar, sec.	UT / UT	°C	-	WATERFALL PRO	105	
Optical transmission	-	%	not more	ASTM D1003 GOST R 8.829	40	35
Gloss	T	%	not less	ASTM D2457	80	
Surface tension**	T	mN/m (dyn/cm)	not less	ASTM D2578 ISO 8296	38	
MD – machine direction TD – transverse direction		MT – 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

- protection from UV light
- all white appearance with a high level of non-transparency and gloss
- lowered density and high yield
- film color allows to exclude white paint from printing
- color printing on this film is brighter

### Application

- For packaging of products which require protection from UV-light: ice cream, chocolate, flour, curd products, sweets and etc.

#### For packing

- on the high-speed HFFS and VFFS packaging machines
- with hot (heat sealing) and cold (using cold glue) seal formation
- Flow-Pack

#### For lamination

- with other films and materials
- with method of the solvent or nonsolvent (extrusion) lamination

#### For printing

- high-quality rotogravure and flexographic print
- with the use of solvent paint

### 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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