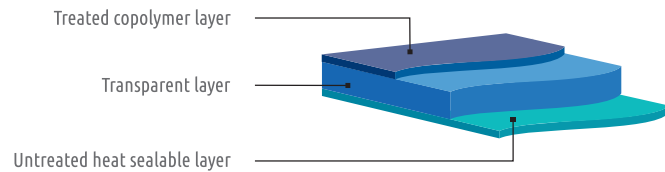


Description

**BOPP film transparent,
heat sealable with medium seal threshold,
with activation on one side,
for printing, lamination and packaging**



Properties		Unit	Limit	Method	Value						
Thickness		μm	±5%	ISO 4591, 4593 GOST 17035	15	18	20	25	30	35	40
Density		g/cm ³	±10%	WATERFALL PRO	0,91						
Weight m ²		g/m ²	±5%	GOST 13199	13,65	16,38	18,20	22,75	27,30	31,85	36,40
Tensile strength	MD	N/mm ² (MPa)	not less	ASTM D882 ISO 527 GOST 14236	130						
	TD				230						
Elongation at break	MD	%	not more	ASTM D1894 GOST 27492	220						
	TD				80						
Kinetic coefficient of friction*		UT / UT	-	ASTM D1894 GOST 27492	0,25						
Shrinkage at 120°C, 5 min	MD	%	not more	ASTM D1204	5	4					
	TD				3	2					
Heat sealing strength at 115°C, 1 bar, 1 sec*		UT / UT	N/15 MM	not less	ASTM F88/F88M, D882 ISO 527	2,0					
Minimal heat sealing temperature not less than 1N/15mm at 1 bar, 1 sec.*		UT / UT	°C	-	WATERFALL PRO	105					
Haze		-	%	not more	ASTM D1003 GOST R 8.829	3,0					
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

- low coefficient of friction
- good optical properties
- contains slip-antistatic and anti-block additives

Application

For packing

- different products: food industry, goods for household use, for industrial goods and others
- on the high-speed HFFS and VFFS packaging machines
- with hot (heat sealing) and cold (using cold glue) seal formation
- Flow-Pack
- self using in decorative packaging

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
- method of direct and reverse printing

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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