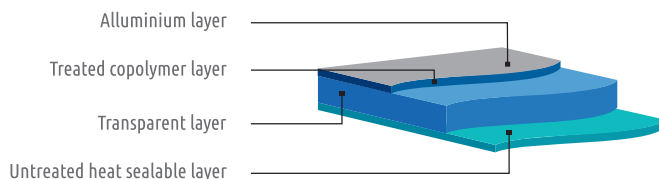


Description

BOPP film metallized on a transparent base, heat sealable with an average sealing threshold, with one-sided activation, long-term activation, 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	42
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	38,22
Tensile strength*	MD	N/mm ² (Мпа)	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	-	±0,10	ASTM D1894 GOST 27492	0,3						
Shrinkage at 120°C, 5 мин*	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 1H/15mm at 1 bar, sec.*	UT / UT	°C	-	WATERFALL PRO	105						
Surface tension	T	mN/m (dyn/cm)	not less	ASTM D2578 ISO 8296	36						
Optical density	-	OD	not less	WATERFALL PRO	1,8						
WVTR-water vapour transmission rate at 38°C, 90% rel. humidity, 24 h	g/m ² /24 h	not more	ASTM F1249	1,0							
OTR-oxygen transmission rate at 23°C, 0% rel. humidity, 24 h	cm ³ /m ² /24 h	not more	ASTM D3985	100							

MD – machine direction
TD – transverse direction

T – treated side
UT – untreated side

* indicators are measured on BOPP film – base for metallization
** these are typical values, guaranteed for the untreated side only. When processing on both sides, this value is not regulated

Main characteristics

- long-term activation
- excellent adhesion of aluminium cover
- excellent optical properties
- excellent barrier properties
- stable regular coefficient of friction

Application

- for improvement of barrier properties of package
- for wrap-around label for bottles
- 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 in duplex, triplex
 - using solvent and nonsolvent (extrusive) lamination
- For printing
 - high-quality rotogravure and flexographic print
 - using 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 3 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

- it's recommended to use primer when printing on metallized surface

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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