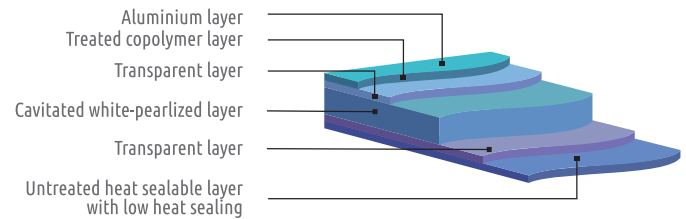


Description

BOPP film metallized on a white-pearlescent filled base, heat sealable with a low sealing threshold, with activation on one side, with a long activation retention period, for printing, lamination and packaging, in cases requiring lower heat sealing temperatures



Properties		Unit	Limit	Method	Value		
Thickness*		µm	±5%	ISO 4591, 4593 GOST 17035	30	35	40
Density*		g/cm ³	±10%	WATERFALL PRO	0,70		
Weight m ² *		g/m ²	±5%	GOST 13199	21,00	24,50	28,00
Tensile strength*	MD	N/mm ² (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	-	ASTM D1894 GOST 27492	0,3		
Shrinkage at 120°C, 5 мин*	MD	%	not more	ASTM D1204	4		
	TD				2		
Heat sealing strength at 95°C, 1 bar, 1 sec.*		UT / UT	N/15 mm	not less	ASTM F88/F88M, D882 ISO 527	2,2	
Minimal heat sealing temperature not less than 1H/15mm at 1 bar, sec.*		UT / UT	°C	-	WATERFALL PRO	80	
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	1,5		
OTR-oxygen transmission rate at 23°C, 0% rel. humidity, 24 h		cm ³ /m ² /24 h	not more	ASTM D3985	150		
MD – machine direction TD – transverse direction		T – treated side UT – untreated side	* indicators are measured on BOPP film – a base for metallization				

Main characteristics

- low heat sealing temperature
- long-term activation
- activation on both sides on demand
- excellent adhesion of aluminium cover
- excellent optical properties
- excellent barrier properties
- high coefficient of friction
- lowered density and high yield

Application

- for packaging of products which require high barrier properties and protection from UV-light: ice-cream, chocolate and etc.

- for extension of products storage period

For packing

- on the high-speed HFFS and VFFS packaging machines
- with hot (heat sealing) seal formation at lower temperatures (from 85°C) and cold (using cold glue)
- 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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