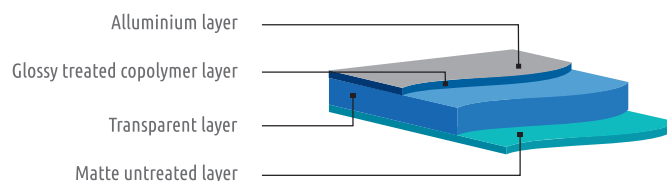


Description

BOPP film metallized on a matte base on one side and a glossy base on the other (metallized on the glossy side), non-heat sealable, with surface activation on one (glossy) side, with a long activation retention period, for lamination and decorative packaging



Properties	Unit	Limit	Method	Value		
Thickness*	µm	±5%	ISO 4591, 4593 GOST 17035	15	20	35
Density	g/cm ³	±10%	WATERFALL PRO	0,85		
Weight m ² *	g/m ²	±5%	GOST 13199	12,75	17,00	29,75
Tensile strength*	MD	N/mm ² (МПа)	not less	ASTM D882 ISO 527 GOST 14236	125	
	TD				240	
Elongation at break*	MD	%	not more	ASTM D1894 GOST 27492	220	
	TD				80	
Kinetic coefficient of friction**	UT / UT	-	±0,15	0,3		
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		
Surface tension	T	mN/m (dyn/cm)	not less	ASTM D2578 ISO 8296 36		
Optical density	-	OD	not less	WATERFALL PRO 1,8		

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
- stable regular coefficient of friction

Application

For lamination

- with other films and materials in duplex, triplex
- using solvent and nonsolvent (extrusive) lamination

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

Attention! Information specified in this document is for reference only; it contains averaged technical characteristics of Waterfall Pro LLC products based on results of laboratory tests performed in Waterfall Pro LLC standard operation conditions. Waterfall Pro LLC gives no representations and/or warranties and is expressly relieved from any liability for infringement of any third parties' intellectual property rights arising from processing of Waterfall Pro LLC products.

Testing of Waterfall Pro LLC products in order to determine their suitability in terms of meeting specific objectives of a person intending to purchase Waterfall Pro LLC products is the sole responsibility of such a person who shall be responsible for any consequences related to processing and use of Waterfall Pro LLC products.

This document does not constitute a quotation and its provision to any person shall not create any rights and duties on the part of Waterfall Pro LLC.