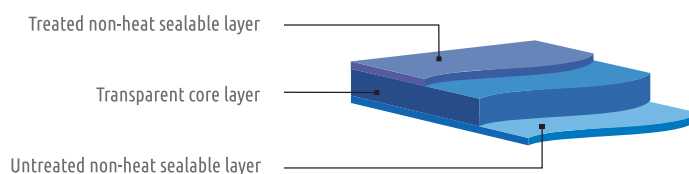


Description

Transparent non-heat sealable BOPP film for printing and decorative package



Properties		Unit	Limit	Method	Value				
Thickness		μm	±5%	WATERFALL PRO	20	25	30	35	40
Density		g/cm ³	±10%		0,91				
Weight m ²		g/m ²	±5%		18,20	22,80	27,30	31,90	36,40
Tensile strength	MD	N/mm ² (MPa)	not less	ASTM D882 ISO 527 GOST 14236	140				
	TD				250				
Elongation at break	MD	%	not more		200				
	TD			70					
Kinetic coefficient of friction	untreated side/ untreated side	-	±0,10	ASTM D1894 ISO 8295 GOST 27492	0,4				
Shrinkage at 120°C, 5 min	MD	%	not more	ASTM D1204 ISO 11501 GOST 18616	4				
	TD				2				
Heat sealing strength at 130°C, 1 bar, 1 sec	-	N/15 mm	not less	ASTM F88/F88M D882 ISO 527 GOST 27319	non-heat sealable				
Heat sealing temperature	-	°C	-	WATERFALL PRO	non-heat sealable				
Haze	-	%	not more	ASTM D1003 ISO 14782 GOST 15875	2,0				
Gloss	treated side	%	not less	ASTM D2457 ISO 2813	85				
Surface tension	treated side	mN/n (dyn/cm)	not less	ASTM D2578 ISO 8296	38				

MD – Machine Direction; TD – Transverse Direction

Main characteristics

- high coefficient of friction
- high transparency and gloss
- used as a face film of a package with high gloss

Application

- for excepting heat sealability on the package front side
- for manual and machine product wrapping (flowers, gifts, office, textile products etc.)

For packing

- for excepting heat sealability

For lamination

- with other films and materials (if necessary)
- 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:

- for all film types (except metallized) – 6 months;
- for metallized film – 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

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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