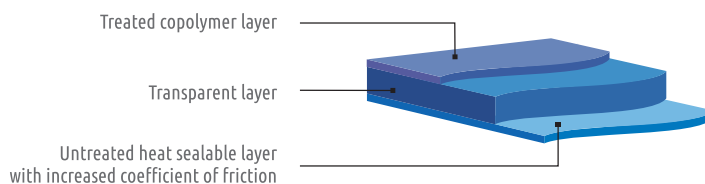


Description

BOPP film transparent, heat sealable with an average sealing threshold, with an increased coefficient of friction, with activation on one side, for printing, lamination and packaging in cases requiring the preservation of bags with products in a single group



| 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 | 0,45 | | | | | | |
| 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 | | | | | | | | | |

Main characteristics

- stable high coefficient of friction
- good optical properties
- contains antistatic and anti-block additives

Application

For packing

- packaging of various products: food industry goods, household goods, industrial goods
- on the high-speed HFFS and VFFS packaging machines
- with hot (heat sealable) and cold (with the help of cold glue) seal formation
- in cases when it is necessary to reduce slip of the flexible package on BOPP film side
- Flow-Pack
- of multiple packs of packaged product with banding method
- in packs, which can stay in single group without sliding on each other

For lamination

- with other films and materials, for decreasing influence of slip additives migration on the BOPP film side, which leads to significant reduction of coefficient of friction. In this case high coefficient of friction compensates that.

- using solvent or non-solvent (extrusive) lamination method

For printing

- high-quality rotogravure and flexographic print
- with the use of solvent paint
- with the 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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