

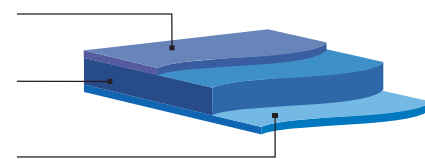
Description

BOPP film “tobacco” transparent, with medium shrink properties, heat sealable with an average sealing threshold, with a low coefficient of friction, without activation, for packing “soft” and “hard” cardboard packs on high-speed machines

Untreated heat sealable layer with a low coefficient of friction (F)

Transparent layer

Untreated heat sealable layer with a higher coefficient of friction (NF)



Properties		Unit	Limit	Method	Value				
Thickness		μm	±5%	ISO 4591, 4593 GOST 17035	16	18	20	25	30
Density		g/cm ³	±10%	WATERFALL PRO	0,91				
Weight m ²		g/m ²	±5%	GOST 13199	14,56	16,38	18,20	22,75	27,30
Tensile strength	MD	N/mm ² (Mpa)	not less	ASTM D882 ISO 527 GOST 14236	130			140	
	TD				230			250	
Elongation at break	MD	%	not more	ASTM D1894 GOST 27492	220				
	TD				80				
Kinetic coefficient of friction	F / F	-	+0,05 -0,10	ASTM D1894 GOST 27492	0,25				
Shrinkage at 120°C, 5 min	MD	%	-	ASTM D1204	4-6,5				
	TD				4-6,5				
Heat sealing strength at 115°C, 1 bar, 1 sec.	NF / F	N/15 mm	not less	ASTM F88/F88M, D882 ISO 527	2,5				
Minimal heat sealing temperature not less than 1H/15mm at 1 bar, sec.	NF / F	°C	-	WATERFALL PRO	105				
Haze	-	%	not more	ASTM D1003 GOST R 8.829	2,5				
Gloss	F	%	not less	ASTM D2457	85				

MD – machine direction
TD – transverse direction

NF – non-functional side
F – functional side (with low coefficient of friction)

Main characteristics

- standart shrinkable
- standart coefficient of friction
- high rigidity
- high gloss
- high transparent

Application

- for wrapping “soft” and “hard” paper packs of cigarettes, cigarette blocks, tea, marshmallows, sweets, perfumes, etc.

For packing

- on the high-speed HFFS packaging machines without a thertotunnel
- with hot (heat sealing) seal formation
- “soft” and “hard” paper packs and boxes

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

Reeling

- maximum roll diameter 500 mm
- film width in a roll from 90 to 450 mm
- diameter of paper cores (inside) 76 mm

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