



DESCRIPTION:

Metallized heat sealable BOPP film with a low sealing intention temperature, long time surface tension shelf life and standard coefficient of friction for printing and lamination

Properties		Methods			Unit	HMIL.M						
Thickness, ± 5%		BIAXPLEN			mkm	15	18	20	25	30	35	40
Density *					g/cm ³ 0,91							
Weight, ± 5%					g/m ² 13,65 16,38 18,20 22,75 27,30 31,85 36,40							
Yield, ± 5%					m ² /kg 73,26 61,05 54,95 43,96 36,63 31,40 27,47							
Tensile strength, not less	MD	GOST 14236	ISO 527	ASTM D882	N/mm ² , MPa	130					140	
	TD					230					250	
Elongation at break, not more	MD					220					200	
	TD					80					70	
Kinetic coefficient of friction	UT / UT	GOST 27492	ISO 8295	ASTM D 1894	- - -	0,3					+ 0,1 - 0,1	
Thermal shrinkage at 120°C, 5 min, not more	MD	GOST 18616	ISO 11501	ASTM D1204	%	5	4					
	TD					3	2					
Heat sealing strength at 130°C, 1bar, 1 sec, not less	UT / UT	GOST 27319	ISO 527	ASTM D 882, ASTM F 88	N/15mm	2,0	2,2	2,3	2,5	2,8		
Heat sealing range at 1bar, 1sec.*	UT / UT	BIAXPLEN			°C	105 - 140						
Optical density, not less					- - -	1,8						
Treatment level, not less **	T	BIAXPLEN	ISO 8296	ASTM D 2578	Dyne/cm, mN/m	36						
Water vapour transmission rate at 38°C, 90% rel.humidity, 24h *		BIAXPLEN	- - -	ASTM F 1249	g/m ² /24h	1						
Oxygen transmission rate at 23°C, 0% rel.humidity 24h *		BIAXPLEN	- - -	ASTM D 3985	cm ³ /m ² /24h	90						

MD - Machine, longitudinal direction;
TD - Transverse direction;

T - metallized side;
UT - untreated, non metallized film side;

* Typical value;
GOST - Russian Federation standards.

** Guaranteed shelf life of the activation of the metallized side is **30 days** from the date of manufacture indicated on roll label.

MAIN PROPERTIES:

- Excellent adhesion of the aluminum layer;
- long time surface tension shelf life;
- good optical and barrier properties of the metallized films;
- low threshold for welding, high adhesion of aluminum, good mechanical properties;
- stable standard coefficient of friction;
- contains slip-antiblock additives;
- intended for contact with food;
- without coatings and primers;
- UT side is allowed to accept activation inline on the printing press or laminator (if necessary).

APPLICATION:

- High quality rotogravure and flexographic solvent based printing;
- for lamination with solvent based or solventless polyurethane adhesives;
- manufacture of flexible packaging for food products;
- packaging for vertical VFFS and horizontal HFFS packaging machines;
- for production of fully wrapped labels for bottles;
- UT side can be coated by frame cold seal glue.

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