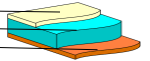


Treated modified heat sealable copolymer skin layer
Transparent oriented polypropylene core layer
Heat sealable, non treated skin layer with low seal intention temperature and standard coefficient of friction



DESCRIPTION:

Heat sealable transparent BOPP film with a standard coefficient of friction and low heat sealing threshold for packaging machines.
For high quality rotogravure and flexographic printing and lamination

Properties		Methods			Unit	HGPL										
Thickness, ± 5%		BIAXPLEN			mkm	15	17	18	20	23	25	30	35	38	40	48
Density *					g/cm ³	0,91										
Weight, ± 5%					g/m ²	13,65	15,47	16,38	18,20	20,93	22,75	27,30	31,85	34,58	36,40	43,68
Yield, ± 5%					m ² /kg	73,26	64,64	61,05	54,95	47,78	43,96	36,63	31,40	28,92	27,47	22,89
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									+ 0,10 - 0,10	
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	2,1	2,2	2,3	2,4	2,5	2,8				
Haze, not more		GOST 15875	ISO 14782	ASTM D 1003	%	2,5			3,0				3,2			
Gloss at 45°, not less	T	BIAXPLEN	ISO 2813	ASTM D 2457	%	85										
Heat sealing range at 1bar, 1sec.*	UT/UT	BIAXPLEN			°C	105-140										
Treatment level, not less	T	BIAXPLEN	ISO 8296	ASTM D 2578	Dyne/cm, mN/m	38										

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

T - treated side of the film;
UT - untreated side of the film;

* Typical value;
GOST - Russian Federation standards.

When film is both sided treated (in case of order), surface tension of the UT side is not less than 36 mN/m, but heat sealing strength and heatsealing range is not regulated in this case.

MAIN PROPERTIES:

- A wide range of heat sealing;
- contains slip-antistatic and antiblocking additives;
- excellent optical properties;
- good physical and mechanical properties;
- intended for contact with food;
- standard coefficient of friction;
- without coatings and primers.

APPLICATION:

- High quality solvent based rotogravure and flexographic printing;
- solvent based and solvent free lamination with polyurethane adhesives;
- manufacture of flexible packaging for food products;
- for vertical VFFS and horizontal HFFS packaging machines;
- production of decorative packaging for flowers, gift wrap and etc.;
- for cold seal glue frame coating onto UT film side (if necessary).

Attention! Information specified in this document is for reference only; it contains averaged technical characteristics of BIAXPLEN LTD products based on results of laboratory tests performed in BIAXPLEN LTD standard operation conditions. BIAXPLEN LTD 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 BIAXPLEN LTD products. Testing of BIAXPLEN LTD products in order to determine their suitability in terms of meeting specific objectives of a person intending to purchase BIAXPLEN LTD products is the sole responsibility of such a person who shall be responsible for any consequences related to processing and use of BIAXPLEN LTD 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 BIAXPLEN LTD.

