



DESCRIPTION:

Heat sealable white-pearl BOPP film with low seal intention temperature and standard coefficient of friction for packaging machines.

For high quality rotogravure and flexographic printing and lamination

Properties		Methods			Unit	HOHL								
Thickness, ± 5%		BIAXPLEN			mkm	25	30	35	40	45				
Density *					g/cm ³					0,72				
Weight, ± 5%					g/m ²					18,00	21,60	25,20	28,80	32,40
Yield, ± 5%					m ² /kg					55,56	46,30	39,68	34,72	30,86
Tensile strength, not less	MD	GOST 14236	ISO 527	ASTM D882	N/mm ² , MPa	70								
	TD					140								
Elongation at break, not more	MD				200									
	TD				60									
Coefficient of friction, kinetic	UT/UT	GOST 27492	ISO 8295	ASTM D 1894	---	0,35			+ 0,10					
									- 0,15					
Thermal shrinkage at 120°C, 5 min, not more	MD	GOST 18616	ISO 11501	ASTM D1204	%	4								
	TD					2								
Heat sealing strength at 130°C, 1bar, 1sec	UT / UT	GOST 27319	ISO 527	ASTM F 88; ASTM D882	N/15mm	2,5								
Light transmission, not more		GOST 15875	ISO 14782	ASTM D 1003	%	40	35		30					
Gloss at 45°, not less	T	BIAXPLEN	ISO 2813	ASTM D 2457	%	80								
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								
Water vapour transmission rate at 38°C, 90% rel.humidity, 24h, ± 20% *		BIAXPLEN	---	ASTM F 1249	g/m ² /24h	5,2	4,3	3,7	3,3	2,9				
Oxygen transmission rate at 23°C, 0% rel.humidity 24h, ± 20% *		BIAXPLEN	---	ASTM D 3985	cm ³ /m ² /24h	2125	1771	1518	1328	1181				

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.

MAIN PROPERTIES:

- A wide temperature range of heat sealing;
- high opacity and good whiteness;
- good protection from UV light;
- low density and high yield;
- contains slip-antistatic and antiblocking additives;
- contains mineral fillers as calcium carbonate and titanium dioxide;
- intended for contact with food;
- stable 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 flexible packaging with frame cold seal adhesives;
- for cold seal glue frame coating onto UT film side (if necessary).
- packaging of ice cream, chocolate bars, candy, etc. which requires protection from UV light;

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.