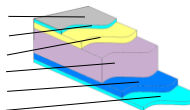


Aluminum layer with increased thickness
Treated modified layer for high adhesion to aluminum
Oriented polypropylene tie layer
White Pearl cavitated core layer of oriented polypropylene
Oriented polypropylene tie layer
White pearl heat sealable, non treated skin layer with standard coefficient of friction



DESCRIPTION:

Metallized white pearl microporous heatsealable BOPP film with increased barrier properties for printing and laminations for production of flexible packaging for products with long shelf life

Properties		Methods			Unit	HOHMLB.M						
Thickness, ± 5%		BIAXPLEN			mkm	25	30	35	40			
Density *					g/cm ³				0,70			
Weight, ± 5%					g/m ²				17,5	21,0	24,5	28,0
Yield, ± 5%					m ² /kg				57,1	47,6	40,8	35,7
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						
Kinetic coefficient of friction	UT / UT	GOST 27492	ISO 8295	ASTM D 1894	---	0,4		+0,1 -0,1				
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, 1 sec, not less	UT / UT	GOST 27319	ISO 527	ASTM D 882, ASTM F 88	N/15mm	2,0	2,5					
Heat sealing range at 1bar, 1 sec *	UT / UT	BIAXPLEN			°C	105 - 140						
Optical density, not less	BIAXPLEN				---	2,5						
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, not more	BIAXPLEN		---	ASTM F 1249	g/m ² /24h	0,4						
Oxygen transmission rate at 23°C, 24h, not more	BIAXPLEN		---	ASTM D 3985	cm ³ /m ² /24h	90						

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

T - metallized side;
UT - white pearl side, untreated side;

* Typical, reference, non-regulated values are indicated
GOST - Russian Federation standards.

** Guaranteed shelf life of the activation of the metallized side is 15 days from the date of manufacture indicated on roll label

MAIN PROPERTIES:

- Metallized side with high adhesion to the film;
- low threshold for heat welding, increased barrier properties and stable coefficient of friction;
- contains mineral fillers as calcium carbonate and titanium dioxide;
- good protection from UV and sunlight;
- intended for contact with food;
- pearl side (UT) easily takes an activation, at 200m/min corona power 4 KW is enough for proper printing or lamination;
- without coating or primer.

APPLICATION:

- High quality rotogravure and flexographic solvent based printing;
- for both side printing or in center of triplex lamination;
- for lamination with solvent based or solventless polyurethane adhesives;
- production of flexible packaging with frame cold glue;
- manufacture of flexible packaging for products with high shelf life;
- manufacture of lid for trays with food, typically in center of triplex;
- production of flexible packaging for the bouillon cubes;

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