



DESCRIPTION:

Heat sealable white-pearl BOPP film with ultra high yield and standard coefficient of friction. For high quality rotogravure and flexographic printing and lamination

Properties		Methods			Unit	HOHC						
Thickness, ± 5%		BIAXPLEN			mkm	33	35	38	40			
Density *					g/cm ³				0,55			
Weight, ± 5%					g/m ²				18,15	19,25	20,90	22,00
Yield, ± 5%					m ² /kg				55,10	51,95	47,85	45,45
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			
									- 0,10			
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					
Light transmission, not more			GOST 15875	ISO 14782	ASTM D 1003	%	30	25	20			
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	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	1770	1515	1325	1180		

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;
- ultra low density and very 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;
- packaging of ice cream, chocolate bars, candy, etc. which requires protection from UV light;

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