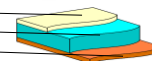


Treated modified heat sealable copolymer skin layer
Transparent oriented polypropylene core layer
Heat sealable, non treated skin layer with low seal intention temperature and standard coefficient of friction



DESCRIPTION:

Heat sealable transparent BOPP film for hot climate
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	HGSL									
Thickness, ± 5%		BIAXPEN			mkm	15	18	20	25	30	35	40	48		
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	43,68		
Yield, ± 5%					m ² /kg	73,26	61,05	54,95	43,96	36,63	31,40	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	- - -	0,35						+ 0,10 - 0,15			
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					
Haze, not more		GOST 15875	ISO 14782	ASTM D 1003	%	2,3		2,8			3,0				
Gloss at 45°, not less	T	BIAXPEN	ISO 2813	ASTM D 2457	%	85									
Heat sealing range at 1bar, 1sec.*	UT/UT	BIAXPEN			°C	105-140									
Treatment level, not less	T	BIAXPEN	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.

MAIN PROPERTIES:

- A wide range of heat sealing;
- contains low speed migratory slip-antistatic additives;
- less slippery surface in comparison with HGSL film;
- contains an antiblock additives;
- stable 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 packaging machines as film in laminate, turned to pulling belts;
- for horizontal HFFS packaging machines as internal film in laminate (turned to the product);
- production of decorative packaging for flowers, gift wrap and etc.;
- for cold seal glue frame coating onto UT film side (if necessary).

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