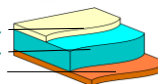


Treated modified heat sealable copolymer skin layer
Transparent oriented polypropylene core layer



Heat sealable, non treated skin layer with very low seal intention temperature and standard coefficient of friction

DESCRIPTION:

Transparent heat sealable BOPP film with a wide temperature sealing range and low coefficient of friction for high speed packaging machines for high quality rotogravure and flexographic printing.

Properties		Methods			Unit	HGHW								
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	---	0,25								+ 0,10
	T / T													- 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 / T	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	%	2,5		3			3,2			
Gloss at 45°, not less	T	BIAXPEN	ISO 2813	ASTM D 2457	%	85								
Heat sealing range at 1bar, 1sec.	UT/ UT	BIAXPEN			°C	75 - 140								
	T / T					115 - 140 *								
Treatment level, not less	T	BIAXPEN	ISO 8296	ASTM D 2578	Dyne/cm, mN/m	36								

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

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

* Typical, not regulated values.
GOST - Russian Federation standards.

MAIN PROPERTIES:

- A very wide range of heat sealing;
- sufficiently low coefficient of friction, including the heated surfaces for high-speed packaging machines;
- contains slip-antistatic and antiblocking additives;
- excellent optical properties;
- good mechanical properties;
- intended for contact with food;
- permanent coefficient of friction, even after printing and lamination;
- 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 high speed vertical VFFS and horizontal HFFS packaging machines;
- for heatsealing by UT / UT (fin seam) and UT / T (overlap) film sides; .
- for applications requiring temperature decrease or increase the speed of heat sealing;
- not for corona treatment of UT side and not for cold seal coating of UT side.

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