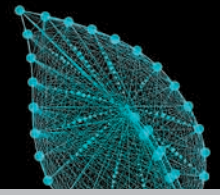
Properties		Methods			Unit	HGPL							
Thickness, ± 5%		BIAXPLEN			mkm	15	18	20	25	30	35	40	48
Density*					g/cm³	0,91							
Weight, ± 5%					g/m²	13,65	16,38	18,20	22,75	27,30	31,85	36,40	43,68
Yield, ± 5%					m²/kg	73,26	61,05	54,95	43,96	36,63	31,40	27,47	22,89
Tensile strength, not less	MD	GOST 14236	ISO 527	ASTM D882	N/mm², 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	—	0,3							+ 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, 1 bar, 1 sec, not less	UT/UT	GOST 27319	ISO 527	ASTM D 882, ASTM F 88	N/15 mm	2,0	2,2	2,3	2,5		2,8		
Haze, not more		GOST 15875	ISO 14782	ASTM D 1003	%	2,5			3,0			3,2	
Gloss at 45 °, not less	T	BIAXPLEN	ISO 2813	ASTM D 2457	%	85							
Heat sealing range at 1 bar, 1 sec.*	UT/UT	BIAXPLEN			°C	105–140							
Treatment level, not less	T	BIAXPLEN	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.