

BOPP Typ SSC

DESCRIPTION:

Heat sealable transparent BOPP film 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	SSC										
Thickness, ± 5%		CLARUS			mkm	15	17	18	20	25	30	35	40	48		
Density *					g/cm³	0,91										
Weight, ± 5%					g/m²	13,6	15,4	16,3	18,2	22,7	27,2	31,8	36,3	43,7		
Yield, ± 5%					m²/kg	73,2	64,6	61	54,9	43,9	36,6	31,40	27,4	22,8		
Tensile strength, not less	MD	GOST 14236	ISO 527	ASTM D882	N/mm²,	130		130-140								
	TD				230		230-280									
Elongation at break, not more	MD				%	220-230					230					
	TD					80					70					
Kinetic coefficient of friction	UT/UT	GOST 27492	ISO 8295	ASTM D 1894	- - -	0,25-0,3										
						+ 0,10										
						- 0,10										
Thermal shrinkage at 120 °C, 5 min, not more	MD	GOST 18616	ISO 11501	ASTM D1204	%	4-6	3-5									
	TD					1,5-3	1,5-3									
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	2-3	2-3		2,3-3	2,5-3	2,8-3					
Haze, not more		GOST 15875	ISO 14782	ASTM D 1003	%	1,5-2,5			1,7-3,0			2-3,2				
Gloss at 45°, not less	T	CLARUS	ISO 2813	ASTM D 2457	%	80-90										
Heat sealing range at 1bar, 1sec.*	UT/UT	CLARUS			° C			105-140								
Treatment level, not less	T	CLARUS	ISO 8296	ASTM D 2578	Dyne/cm, mN/m	38										
Water vapour transmission rate at 38°C, 90% rel.humidity, 24h, ± 20% *		CLARUS	- - -	ASTM F 1249	g/m²/24h	8,7		7,2	6,5	5,2	4,3	3,7	3,3	2,7		
Oxygen transmission rate at 23°C, 0% rel.humidity 24h, ± 20% *		CLARUS	- - -	ASTM D 3985	cm³/m²/24 h	3533		2944	2650	2120	1767	1514	1325	1104		

MD - Machine, longitudinal direction;

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

* Typical value;

TD - Transverse direction;

When film is both sided treated (in case of order), surface tension of the UT side is not less than 36 mN/m, but heat sealing strength and heatsealing range is not regulated in this case.

MAIN PROPERTIES:

- A wide range of heat sealing;
- contains slip-antistatic and antiblocking additives;
- excellent 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 and horizontal HFFS packaging machines;
- 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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