

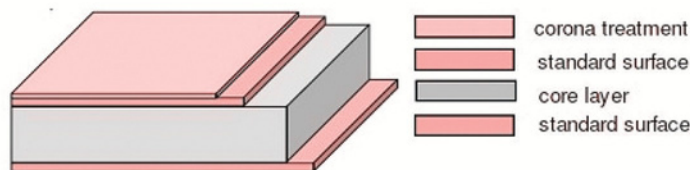
BOPET FILMS

Version No.: 14/ 1.3

Date: 14 Jan 2015

PX-SAR-TFC92,100,120,144,200G

SARAFIL Transparent **TFC** grade Polyester film is designed for use in printing, metallizing, and coating applications. It can also be used for various industrial and cable core wrapping applications. It has excellent slip and dimensional stability over a wide range of temperatures.



MICRON(GAUGE)	23, 25, 30, 36, 50 (92, 100, 120, 144, 200)
TYPE	TFCI Polyester film, Corona treated Inside
	TFCO Polyester film, Corona treated Outside

PROPERTIES	TEST METHOD	UNIT	23(92) MICRON (GAUGE)	25(100) MICRON (GAUGE)	30(120) MICRON (GAUGE)	36(144) MICRON (GAUGE)	50(200) MICRON (GAUGE)
TYPICAL VALUES							
NOMINAL THICKNESS	PHC Method	Micron	23	25	30	36	50
		Gauge	92	100	120	144	200
YIELD	PHC Method	m2/kg	31.1	28.6	23.8	19.9	14.3
		in2/lb	21900	20100	16800	14000	10100
MECHANICAL PROPERTIES							
TENSILE STRENGTH							
MD	ASTM D-882	kg/cm2	2100	2100	2000	2000	1900
		kpsi	30	30	28.6	28.6	27.2
TD	ASTM D-882	kg/cm2	2200	2200	2100	2100	2000
		kpsi	31.5	31.5	30	30	28.6
ELONGATION AT BREAK							
MD	ASTM D-882	%	140	140	145	150	170
TD	ASTM D-882	%	135	135	140	145	150

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THERMAL PROPERTIES							
HEAT SHRINKAGE (AT 150 DEG. C FOR 30 MIN)							
MD	ASTM D-1204	%	1.6	1.6	1.6	1.6	1.6
TD	ASTM D-1204	%	0.2	0.2	0.2	0.2	0.2
SURFACE PROPERTIES							
CO-EFFICIENT OF FRICTION, (Side A/ Side B)							
STATIC	ASTM D-1894		0.44	0.44	0.44	0.44	0.44
DYNAMIC	ASTM D-1894		0.34	0.34	0.34	0.34	0.34
SURFACE TENSION							
PLAIN SIDE	ASTM D-2578	Dyne/cm	42	42	42	42	42
CORONA SIDE	ASTM D-2578	Dyne/cm	56	56	56	56	56
OPTICAL PROPERTIES							
HAZE	ASTM D-1003	%	3.0	3.0	3.2	3.6	4.2
LIGHT TRANSMISSION	ASTM D-1003	%	88	88	88	88	88
ELECTRICAL PROPERTIES							
BREAKDOWN VOLTAGE	ASTM D-149 (0.25 electrodes in dry air)	Kv	6	7	8	9	11

Note: Above properties can be changed to meet the specific requirement of customers.