

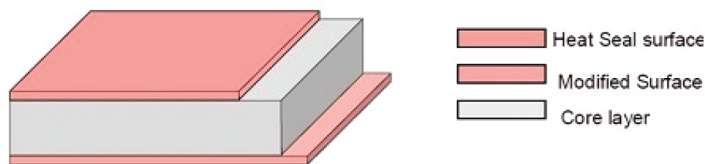
BOPET FILM

Version No.: 139/ 1.5

Date: 05 Apr 2023

PX-HS100-TRNS-HEAT-IN-BOPET

Sarafil HS is Co extruded Transparent polyester film with one side heat sealable surface. The film exhibits excellent heat seal properties along with good processibility. Heat seal surface is designed to seal to itself, thermoformed APET, CPET, Unsaturated polyesters, paper. HS does not seal against polyolefins (PE, PP) and PS. HS seals are not peelable.



MICRON(GAUGE) 12, 15, 20, 30, 50 (48, 60, 80, 120, 200)

TYPE **HS100** One side Heat sealable film-Wound Inside

PROPERTIES	TEST METHOD	UNIT	12(48) MICRON (GAUGE)	15(60) MICRON (GAUGE)	20(80) MICRON (GAUGE)	30(120) MICRON (GAUGE)	50(200) MICRON (GAUGE)
TYPICAL VALUES							
NOMINAL THICKNESS	PHC Method	Micron	12	15	20	30	50
		Gauge	48	60	80	120	200
YIELD	PHC Method	m2/kg	59.6	47.6	35.7	23.8	14.3
		in2/lb	42000	33500	25000	16800	10100
MECHANICAL PROPERTIES							
TENSILE STRENGTH							
MD	ASTM D-882	kg/cm2	1700	1700	1700	1700	1700
		kpsi	24.2	24.2	24.2	24.2	24.2
TD	ASTM D-882	kg/cm2	1800	1800	1800	1800	1800
		kpsi	25.6	25.6	25.6	25.6	25.6
ELONGATION AT BREAK							
MD	ASTM D-882	%	140	140	140	140	140
TD	ASTM D-882	%	120	120	130	130	130
THERMAL PROPERTIES							

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HEAT SHRINKAGE (AT 150 DEG. C FOR 30 MIN)							
MD	ASTM D-1204	%	1.6	1.6	1.6	1.6	1.2
TD	ASTM D-1204	%	0.2	0.2	0.2	0.2	0.2
SURFACE PROPERTIES							
CO-EFFICIENT OF FRICTION, (A/B)							
STATIC	ASTM D-1894		0.50	0.50	0.50	0.45	0.35
DYNAMIC	ASTM D-1894		0.45	0.45	0.45	0.40	0.30
OPTICAL PROPERTIES							
HAZE	ASTM D-1003	%	3.0	4.0	4.5	5.0	5.5
HEAT SEAL PROPERTIES							
SEALING TEMPERATURE RANGE	PHC Method	°C	130-220	130-220	130-220	130-220	130-220
SEAL STRENGTH (HS-HS) AT 140 °C, 2 SEC, 3.0KG/CM2	PHC Method	gm/25mm	300	350	500	600	750

Note: Above properties can be changed to meet the specific requirement of customers. Other treatments are also available upon submission of basic customer application information.