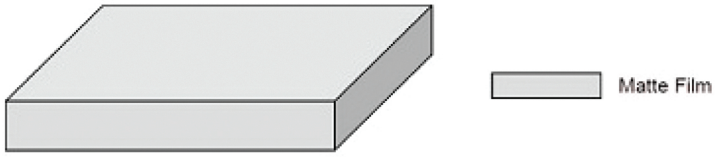
Sarafil®

PHC

BOPET FILM
Version No.: 1030/ 0.2
Date: 27 Oct 2017

PX-D1200-MEDGLOS-MAT2

Sarafil D1200 is matte Polyester film with balanced shrinkage and medium gloss matte surface specially designed for packaging and industrial applications. This film has both sides matte appearance which is widely used in transfer application, label and conversion applications. The film has excellent processibility and machine runnability. It has excellent slip and dimensional stability over a wide range of temperatures.



MICRON(GAUGE) 12, 19, 23, 36, 50 (48, 76, 92, 144, 200)

TYPE **D1200** Matte Polyester film (Untreated)

PROPERTIES	TEST METHOD	UNIT	12(48) MICRON (GAUGE)	19(76) MICRON (GAUGE)	23(92) MICRON (GAUGE)	36(144) MICRON (GAUGE)	50(200) MICRON (GAUGE)
TYPICAL VALUES							
NOMINAL THICKNESS	PHC Method	Micron	12	19	23	36	50
		Gauge	48	76	92	144	200
YIELD	PHC Method	m2/kg	59.5	37.6	31.1	19.8	14.3
		in2/lb	41900	26500	21900	13900	10100
MECHANICAL PROPERTIES							
TENSILE STRENGTH							
MD	ASTM D-882	kg/cm2	1900	1800	1800	1800	1700
		kpsi	27.1	25.7	25.7	25.7	24.3
TD	ASTM D-882	kg/cm2	2000	1900	1900	1900	1800
		kpsi	28.6	27.1	27.1	27.1	25.7
ELONGATION AT BREAK							
MD	ASTM D-882	%	100	100	100	100	100
TD	ASTM D-882	%	90	90	90	90	90

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PROPERTIES	TEST METHOD	UNIT	12(48) MICRON (GAUGE)	19(76) MICRON (GAUGE)	23(92) MICRON (GAUGE)	36(144) MICRON (GAUGE)	50(200) MICRON (GAUGE)
THERMAL PROPERTIES							
HEAT SHRINKAGE (AT 150 DEG. C FOR 30 MIN)							
MD	ASTM D-1204	%	2.0	2.0	2.0	2.0	2.0
TD	ASTM D-1204	%	2.0	2.0	2.0	2.0	2.0
SURFACE PROPERTIES							
SURFACE TENSION	ASTM D-2578	Dyne/cm	42	42	42	42	42
CO-EFFICIENT OF FRICTION, (A/B)							
STATIC	ASTM D-1894		0.44	0.44	0.44	0.40	0.40
DYNAMIC	ASTM D-1894		0.40	0.40	0.40	0.36	0.36
OPTICAL PROPERTIES							
HAZE	ASTM D-1003	%	50	60	68	75	80
LIGHT TRANSMISSION	ASTM D-1003	%	85	85	85	85	85
GLOSS (AT 60°) MICRO-TRYGLOSS (BYK GARDNER)	ASTM D-2457-97	%	40	42	42	42	42

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

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