

CL-SAR-TFC-TRANS-BOPET

BOPET FILM

Version No.: 13/ 2.0

Date: 14 Sep 2023

Sarafil TFC grade Transparent Polyester film is designed for use in printing, metallising, coating and lamination processes for flexible packaging applications. The film posses good transparency, excellent machinability, sparkling gloss, flexibility and chemical resistance. The film have excellent slip and dimensional stability over a wide range of temperatures.

MICRON(GAUGE) 10, 12 (40, 48)

TYPE **TFCI** Polyester film, Corona treated Inside
TFCO Polyester film, Corona treated Outside

PROPERTIES	TEST METHOD	UNIT	10(40) MICRON (GAUGE)	12(48) MICRON (GAUGE)
TYPICAL VALUES				
NOMINAL THICKNESS	Polyplex Method	Micron	10	12
		Gauge	40	48
YIELD	Polyplex Method	m2/kg	71.4	59.6
		in2/lb	50400	42000
MECHANICAL PROPERTIES				
TENSILE STRENGTH				
MD	ASTM D-882	kg/cm2	2200	2200
		kpsi	31.5	31.5
TD	ASTM D-882	kg/cm2	2300	2300
		kpsi	32.9	32.9
ELONGATION AT BREAK				
MD	ASTM D-882	%	130	130
TD	ASTM D-882	%	125	125
THERMAL PROPERTIES				
HEAT SHRINKAGE (AT 150 DEG. C FOR 30 MIN)				
MD	ASTM D-1204	%	2.0	2.0

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PROPERTIES	TEST METHOD	UNIT	10(40) MICRON (GAUGE)	12(48) MICRON (GAUGE)
TD	ASTM D-1204	%	0.2	0.2
SURFACE PROPERTIES				
CO-EFFICIENT OF FRICTION, (A/B)				
STATIC	ASTM D-1894		0.52	0.52
DYNAMIC	ASTM D-1894		0.42	0.42
SURFACE TENSION				
PLAIN SIDE	ASTM D-2578	Dyne/cm	42	42
CORONA SIDE	ASTM D-2578	Dyne/cm	56	56
OPTICAL PROPERTIES				
HAZE	ASTM D-1003	%	2.3	2.3
LIGHT TRANSMISSION	ASTM D-1003	%	89	88

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