

METPET FILM

Version No.: 238/ 0.6

Date: 25 Jan 2022

PX-MMTPCI-HGHBAR-METPET

Sarafil MMTPC type Metallised Polyester film is suitable for flexible packaging applications and industrial applications. Metalisation done on plasma treated surface for enhance metal adhesion and superior barrier properties.

MICRON(GAUGE) 12 (48)

TYPE**MMTPCI**

Metallised polyester film, Corona treated outside

MMTPCO

Metallised polyester film, Corona treated inside

PROPERTIES	TEST METHOD	UNIT	12(48) MICRON (GAUGE)
TYPICAL VALUES			
OPTICAL DENSITY	PHC Method		2.2
NOMINAL THICKNESS	PHC Method	Micron	12
		Gauge	48
YIELD	PHC Method	m2/kg	59.7
		in2/lb	42000
MECHANICAL PROPERTIES			
TENSILE STRENGTH			
MD	ASTM D-882	kg/cm2	2200
		kpsi	31.5
TD	ASTM D-882	kg/cm2	2300
		kpsi	32.90
ELONGATION AT BREAK			
MD	ASTM D-882	%	130
TD	ASTM D-882	%	125

PX-MMTPCI-HGHBAR-METPET

PROPERTIES	TEST METHOD	UNIT	12(48) MICRON (GAUGE)
THERMAL PROPERTIES			
HEAT SHRINKAGE (AT 150 DEG. C FOR 30 MIN)			
MD	ASTM D-1204	%	2.0
TD	ASTM D-1204	%	0.2
SURFACE PROPERTIES			
SURFACE TENSION			
CORONA SIDE	ASTM D-2578	Dyne/cm	54
CO-EFFICIENT OF FRICTION, (M/F)			
STATIC	ASTM D-1894		0.75
DYNAMIC	ASTM D-1894		0.70
BARRIER PROPERTIES			
WVTR, 37.7 DEG 90% RH	ASTM F-1249	g/m2/day	0.8
OTR (23 °C & 0% RH)	ASTM D-3985-95	cc/m2/day	1.0

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