

# M-BOPET

## METALLIZED ISOTROPIC POLYESTER FILM

CODE MPTI

Designed specially for flexible packing and lidding application, low permeability for excellent barrier film purpose. Very high gloss of metallic with supreme appearance. Strong texture of PET film, high strength & stiffness.

### TECHNICAL DATA

TYPICAL PROPERTIES	UNIT		TEST METHODS	TYPICAL VALUE				
THICKNESS	micron		Micrometer	12	12	12	12	12
OPTICAL DENSITY	(min.)		DENSITOMETER	0.3	1.8	2.2	2.5	3.0
YIELD	m <sup>2</sup> /kg		ASTM D4321	59.52	59.52	59.52	59.52	59.52
AVERAGE THICKNESS VARIATION	%		ASTM E-252-78	± 3	± 3	± 3	± 3	± 3
TENSILE STRENGTH	N/mm <sup>2</sup>	MD	ASTM D-882	210	210	210	210	210
	(min.)	TD		220	220	220	220	220
ELONGATION OF BREAK	%	MD	ASTM D-882	130	130	130	130	130
	(max.)	TD		120	120	120	120	120
DIMENSIONAL STABILITY 150 °C, 30 minutes	%	MD	ASTM D-1204	2.0	2.0	2.0	2.0	2.0
	(max.)	TD		0.5	0.5	0.5	0.5	0.5
C.O.F.	FILM/FILM		ASTM D-1894	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.5 ± 0.1
WVTR	g/m <sup>2</sup> .day	(max.)	ASTM F-1249-06 38 °C, 90% RH	35.0	3.0	1.2	1.0	0.8
O <sub>2</sub> TR	cm <sup>3</sup> /m <sup>2</sup> .day.bar	(max.)	ASTM D-3985 23 °C, 0% RH 1atm.	10.0	5.0	1.2	1.0	0.8
METAL ADHESION	%		Tape Test AIMCAL Spec scotch 610, 6 inch.	0	0	0	0	0
	N (min.)		A.J. Plast Standard	8	8	8	8	8

\*Optical density value specified by customer.

### DESCRIPTION OF SUPPLY

**PAPER CORE I.D.**                      **76 mm (3 in.)      152 mm (6 in.)**

**ROLL O.D.**                                **max. 1000 mm**

**WIDTH RANGE**                        **45 mm – 2000 mm. (width on request)**

**LENGTH RANGE**                      **standard 2000 m. to 36000 m. (length on request)**

### BASE FILM OF METALLIZED FILM COMPLY WITH U.S. 21 CFR F.D.A. REGULATION PART 177.1630

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