

# M-BOPET

## METALLIZED POLYESTER YARN FILM

CODE MPTY

Designed specially for yarn application. It offers excellent dimensional stability, high strength, 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
OPTICAL DENSITY	(min.)	DENSITOMETER	2.2
YIELD	m <sup>2</sup> /kg	ASTM D4321	59.52
AVERAGE THICKNESS VARIATION	%	ASTM E-252-78	± 3
TENSILE STRENGTH	N/mm <sup>2</sup> MD	ASTM D-882	220
	(min.) TD		240
ELONGATION OF BREAK	% MD	ASTM D-882	120
	(max.) TD		110
DIMENSIONAL STABILITY 150 °C, 30 minutes	% MD	ASTM D-1204	3.8
	(max.) TD		0.0 - (-0.2)
C.O.F.	FILM/FILM	ASTM D-1894	0.5 ± 0.1
WVTR	g/m <sup>2</sup> .day (max.)	ASTM F-1249-06 38 °C, 90% RH	1.0
O <sub>2</sub> TR	cm <sup>3</sup> /m <sup>2</sup> .day.bar (max.)	ASTM D-3985 23 °C, 0% RH 1atm.	1.0
METAL ADHESION	%	Tape Test AIMCAL Spec scotch 610, 6 inch.	0
	N (min.)	A.J. Plast Standard	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 – 2500 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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