

M-BOPET METALLIZED POLYESTER FILM

CODE MPT

The extra 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^2/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^2	MD	200	200	200	200	200
	(min.)	TD	200	200	200	200	200
ELONGATION OF BREAK	%	MD	180	180	180	180	180
	(max.)	TD	130	130	130	130	130
DIMENSIONAL STABILITY 150 °C, 30 minutes	%	MD	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	$g/m^2 \cdot day$	(max.) ASTM F-1249-06 38 °C, 90% RH	35	3.0	1.2	1.0	0.8
O ₂ TR	$cm^3/m^2 \cdot day \cdot bar$	(max.) ASTM D-3985 23 °C, 0% RH 1atm.	10	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 OUTSIDE DIAMETER **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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