

# UmaPET MO

Polyethylene Terephthalate

Ester Industries Ltd.

## Message:

### KEY FEATURES

Uma PET MO is one side matte film with other side plain surface for excellent print quality.

Other side corona or chemical coating as optional for improved adhesion performance.

It has medium Haze, Medium gloss gloss film with excellent muted and grainy surface on matte side.

The film exhibits excellent thermal, mechanical and medium matte surface properties one side with normal surface on the other side.

It has excellent dimensional stability and excellent process ability. After metallization, shows silver finish as aesthetic.

### APPLICATIONS

Excellent for packaging applications where plain side gives excellent print quality and other side matte finish to the print image.

While pouching or packing shows excellent thermal stability.

Typical end uses like soap wraps, baby wipes, moist tissues, dry fruits and other high endpackaging for different food / non - food products etc.

General Information			
Features	Excellent Printability		
	Good Adhesion		
	Good Dimensional Stability		
	Good Processability		
	Good Thermal Stability		
	Medium Gloss		
	Metallizable		
Uses	Film		
	Packaging		
Appearance	Matte Finish		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			ASTM D1204
Flow : 150°C, 30 min, 0.0120 mm	2.0	%	
Across Flow : 150°C, 30 min, 0.0120 mm	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction <sup>1</sup>			ASTM D1894
vs. Itself - Dynamic	0.38		
vs. Itself - Static	0.42		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	12	µm	
Film Thickness - Recommended / Available	12 µm		
Tensile Strength			ASTM D882
MD : Break, 12 µm	196	MPa	
TD : Break, 12 µm	206	MPa	

Tensile Elongation			ASTM D882
MD : Break, 12 μm	90	%	
TD : Break, 12 μm	90	%	
Yield (12.0 μm)	59.5	m <sup>2</sup> /kg	Internal Method
Wetting Tension - Plain side (12.0 μm)	44	dyne/cm	ASTM D2578
Optical	Nominal Value	Unit	Test Method
Gloss			ASTM D2457
60°, 12.0 μm, High Gloss Surface	110		
60°, 12.0 μm, Matte Surface	45		
Haze (12.0 μm)	35	%	ASTM D1003
NOTE			
1.	12 μm		

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