

# UmaPET CLM

Polyethylene Terephthalate  
Ester Industries Ltd.

Message:

KEY FEATURES  
UmaPET CLM is golden yellow metalized film. This film is produced via polymer modification and having high gloss and excellent barrier properties. The film shows good thermal, mechanical and surface properties along with excellent dimensional stability and process ability.

APPLICATIONS  
Suitable for various packaging and decorative applications.  
The film is extensively used for survival blanket and other industrial applications.

General Information			
Features	Barrier Resin		
	Good Dimensional Stability		
	Good Processability		
	Good Surface Finish		
	Good Thermal Stability		
	High Gloss		
Uses	Film		
	Industrial Applications		
	Packaging		
Appearance	Gold		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			ASTM D1204
Flow : 150°C, 30 min, 0.0120 mm	2.5	%	
Across Flow : 150°C, 30 min, 0.0120 mm	0.40	%	
Surface Tension - Metallized side (12.0 µm)	56	mN/m	ASTM D2578
Yield (12.0 µm)	59.5	m²/kg	Internal Method
Optical Density (12.0 µm)	-2.8 to 7.2	%	Internal Method
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	100	%	
TD : Break, 12 µm	90	%	
Oxygen Permeability <sup>1</sup> (23°C, 12 µm)	1.00	cm³/m²/24 hr	ASTM D3985

Water Vapor Transmission <sup>2</sup>	0.80	g/m <sup>2</sup> /24 hr	ASTM F1249
NOTE			
1.	0%RH		
2.	37.8°C, 90%RH, 12 μm		

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#### Recommended distributors for this material

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