

UmaPET ULM (aesthetic)

Polyethylene Terephthalate

Ester Industries Ltd.

Message:

KEY FEATURES

UmaPET ULM is mirror finish high gloss metallized film.

It exhibits good barrier properties along with good metal to film bond strength/adhesion.

It has excellent thermal stability, mechanical properties & flex crack resistance.

APPLICATIONS

UmaPET ULM is used in various decorative, holographic (temper evident and temper proof), mirror finish label face stock applications.

Useful for high aesthetic appeal in surface printing applications / jobs.

General Information			
Features	Barrier Resin		
	Bondability		
	Excellent Printability		
	Good Adhesion		
	Good Crack Resistance		
	Good Surface Finish		
	Good Thermal Stability		
	High Gloss		
	Metallizable		
	Pleasing Surface Appearance		
Tack Free			
Uses	Decorative Parts		
	Film		
	Labels		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			ASTM D1204
Flow : 150°C, 30 min, 0.0360 mm	2.5	%	
Flow : 150°C, 30 min, 0.0500 mm	2.5	%	
Across Flow : 150°C, 30 min, 0.0360 mm	0.40	%	
Across Flow : 150°C, 30 min, 0.0500 mm	0.40	%	
Surface Tension - Metallized side			ASTM D2578
36.0 μm	56	mN/m	
50.0 μm	56	mN/m	
Yield			Internal Method
36.0 μm	19.8	m²/kg	
50.0 μm	14.3	m²/kg	

Optical Density			Internal Method
36.0 μm	-2.8 to 7.2	%	
50.0 μm	-2.8 to 7.2	%	
Films	Nominal Value	Unit	Test Method
	36		
Film Thickness - Tested	50	μm	
Film Thickness - Recommended / Available	36, 50 μm		
Tensile Strength			ASTM D882
MD : Break, 36 μm	177	MPa	
MD : Break, 50 μm	167	MPa	
TD : Break, 36 μm	186	MPa	
TD : Break, 50 μm	186	MPa	
Tensile Elongation			ASTM D882
MD : Break, 36 μm	130	%	
MD : Break, 50 μm	130	%	
TD : Break, 36 μm	120	%	
TD : Break, 50 μm	120	%	
Oxygen Permeability ¹			ASTM D3985
23°C, 36 μm	0.800	cm ³ /m ² /24 hr	
23°C, 50 μm	0.800	cm ³ /m ² /24 hr	
Water Vapor Transmission			ASTM F1249
-- ²	0.60	g/m ² /24 hr	
-- ³	0.60	g/m ² /24 hr	
NOTE			
1.	0%RH		
2.	37.8°C, 90%RH, 50 μm		
3.	37.8°C, 90%RH, 36 μm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT