UmaPET EMML

Polyethylene Terephthalate

Ester Industries Ltd.

Message:

KEY FEATURES

Uma PET EMML is metallized film with metal deposition on emboss able surface. This film exhibits excellent process ability and is suitable for high speed and high resolution hard embossing. The emboss able surface eliminates the need for additional polymer coating over film.

It has excellent mechanical properties, flex crack resistance and excellent gloss.

APPLICATIONS

Uma PET EMML film is mostly used as embossing film for making Holographic Film in different holographic textures which is used in wide range of applications.

Packaging for making pouches, paper lamination and other decorative end use.

Security stickers, stickers etc as deterrent for duplication and counterfeiting of products such as credit cards drivers licenses, pharmaceutical products, computer software etc.

General Information					
Features	Embossed				
	Good Crack Resistance				
	Good Processability				
	High Gloss				
	Metallizable				
Uses	Film				
	Packaging				
	Stationary Supplies				
Forms	Film				
Physical	Nominal Value	Unit	Test Method		
Molding Shrinkage			ASTM D1204		
Flow : 150°C, 30 min, 0.0130 mm	2.5	%			
Across Flow : 150°C, 30 min, 0.0130 mm	0.40	%			
Surface Tension - Metallized side (13.0 μ m)	56	mN/m	ASTM D2578		
Yield (12.0 µm)	55.0	m²/kg	Internal Method		
Optical Density (13.0 µm)	-3.6 to 6.4	%	Internal Method		
Films	Nominal Value	Unit	Test Method		
Film Thickness - Tested	13	μm			
Film Thickness - Recommended / Available	13 µm				
Tensile Strength			ASTM D882		
MD : Break, 13 µm	206	MPa			
TD : Break, 13 µm	216	MPa			
Tensile Elongation			ASTM D882		
MD : Break, 13 µm	100	%			
TD : Break, 13 μm	90	%			

Oxygen Permeability ¹ (23°C, 13 μm)	< 1.80	cm³/m²/24 hr	ASTM D3985
Water Vapor Transmission ²	< 1.5	g/m²/24 hr	ASTM F1249
NOTE			
1.	0%RH		
2.	37.8°C, 90%RH, 13 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

