UmaPET EMO/EMI

Polyethylene Terephthalate

Ester Industries Ltd.

Message:

KEY FEATURES
Uma PET EM is transparent film with one side Embossable properties.
This film exhibits excellent processability and is suitable for high speed and high resolution soft embossing which widely used for hologram applications.
The special Embossable surface eliminates the need for additional polymer coating over film.
The film possesses low Haze, high clarity, high gloss along with good frictional, mechanical and thermal properties.
APPLICATIONS
Direct embossing film is used for making Holographic Film which is used in wide applications.
Packaging for making pouches, paper lamination and other decorative 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 Processability High Clarity High Gloss Low Friction		
Uses	Film Laminates Packaging		
Appearance	Clear/Transparent		
Forms	Film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Molding Shrinkage			ASTM D1204
Flow : 150°C, 30 min, 0.0130 mm	2.8	%	
Across Flow : 150°C, 30 min, 0.0130 mm	0.50	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction [1]			ASTM D1894
vs. Itself - Dynamic	0.50		
vs. Itself - Static	0.55		
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	%	
Yield (13.0 µm)	55.0	m^2/kg	Internal Method
Wetting Tension			ASTM D2578
Functional side : 13.0 µm	40	dyne/cm	
Plain side : 13.0 µm	44	dyne/cm	

Optical	Nominal Value	Unit	Test Method
Haze (13.0 µm)	1.8	%	ASTM D1003

NOTE			
1.	13 µm		

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