

UmaPET HQO/HQI

Polyethylene Terephthalate

Ester Industries Ltd.

Message:

KEY FEATURES

Uma PET HQ is transparent film with one side co-extruded layer of specially modified copolymer.

HQ film possesses low Haze, high clarity, high gloss along with good frictional, mechanical and thermal properties.

The Film can be used for direct contact with food and complies with FDA regulation 21CFR177.1630 sections (f) and (g).

APPLICATIONS

The modified co-extruded surface has excellent adhesion with water and solvent based inks, adhesives, release coatings, Varnishes, primers and Al-metals in metallization, resulted higher bond strength in final laminates.

Laminates with HQ film shows excellent inter layer bond strength retention in high end packaging applications like hot fill, boiling, retorting etc.

Boil in Bag, Doy-Pack type of packaging applications for various products.

General Information			
Features	Bondability		
	Food Contact Acceptable		
	Good Strength		
	High Clarity		
	High Gloss		
	Low Friction		
	Salt Water/Spray Resistant		
Uses	Film		
	Laminates		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1630 Sections (f) & (g)		
Appearance	Clear/Transparent		
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	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction ¹			ASTM D1894
vs. Itself - Dynamic	0.45		
vs. Itself - Static	0.50		
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	206	MPa	

TD : Break, 12 μm	216	MPa	
Tensile Elongation			ASTM D882
MD : Break, 12 μm	100	%	
TD : Break, 12 μm	90	%	
Yield (12.0 μm)	59.5	m ² /kg	Internal Method
Wetting Tension			ASTM D2578
Functional side : 12.0 μm	42	dyne/cm	
Plain side : 12.0 μm	44	dyne/cm	
Optical	Nominal Value	Unit	Test Method
Haze (12.0 μm)	3.0	%	ASTM D1003
NOTE			
1.	12 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

