

UmaPET WHHSO

Polyethylene Terephthalate

Ester Industries Ltd.

Message:

KEY FEATURES

Uma PET WHHS is white opaque film with one side sealable layer with itself along with APET,C-PET, modified C-PET and A-PET coated boards.

The film has high opacity and high whiteness index along with low transparency.

Excellent flatness and good dimensional stability at elevated temperatures and exhibits good processability.

APPLICATIONS

Design for lidding in packaging applications and other industrial applications.

Users don't need to coat any sealable coating during conversion.

General Information			
Features	Good Dimensional Stability		
	Good Processability		
Uses	Film		
	Industrial Applications		
	Lids		
	Pacifiers		
Appearance	Opaque		
	White		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			ASTM D1204
Flow : 150°C, 30 min, 0.0300 mm	2.5	%	
Flow : 150°C, 30 min, 0.0360 mm	2.5	%	
Flow : 150°C, 30 min, 0.0500 mm	2.0	%	
Across Flow : 150°C, 30 min, 2.30E-5 mm	0.60	%	
Across Flow : 150°C, 30 min, 0.0300 mm	0.60	%	
Across Flow : 150°C, 30 min, 0.0360 mm	0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic ¹	0.45		
vs. Itself - Dynamic ²	0.45		
vs. Itself - Dynamic ³	0.45		
vs. Itself - Static ⁴	0.55		
vs. Itself - Static ⁵	0.55		
vs. Itself - Static ⁶	0.55		
Films	Nominal Value	Unit	Test Method

30

36

Film Thickness - Tested	50	µm	
Film Thickness - Recommended / Available	30, 36, 50 µm		
Tensile Strength			ASTM D882
MD : Break, 30 µm	137	MPa	
MD : Break, 36 µm	137	MPa	
MD : Break, 50 µm	137	MPa	
TD : Break, 30 µm	147	MPa	
TD : Break, 36 µm	147	MPa	
TD : Break, 50 µm	147	MPa	
Tensile Elongation			ASTM D882
MD : Break, 30 µm	130	%	
MD : Break, 36 µm	130	%	
MD : Break, 50 µm	130	%	
TD : Break, 30 µm	80	%	
TD : Break, 36 µm	80	%	
TD : Break, 50 µm	80	%	
Yield			Internal Method
30.0 µm	23.8	m ² /kg	
36.0 µm	19.8	m ² /kg	
50.0 µm	14.1	m ² /kg	
Seal Strength ⁷			Internal Method
140°C, 30.0 µm	984.3	g/2.5 cm	
140°C, 36.0 µm	984.3	g/2.5 cm	
140°C, 50.0 µm	984.3	g/2.5 cm	
Wetting Tension - Plain side			ASTM D2578
30.0 µm	44	dyne/cm	
36.0 µm	44	dyne/cm	
50.0 µm	44	dyne/cm	
Optical	Nominal Value	Unit	Test Method
Opacity			Internal Method
-- ⁸	85	%	
-- ⁹	85	%	
-- ¹⁰	85	%	
Haze			ASTM D1003
30.0 µm	98	%	


36.0 μm	98	%
50.0 μm	98	%
NOTE		
1.	50 μm	
2.	36 μm	
3.	30 μm	
4.	30 μm	
5.	36 μm	
6.	50 μm	
7.	Seal to seal surface, 2s, 3 kg/cm ² pressure	
8.	50 μm	
9.	36 μm	
10.	30 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