TAISOX 3414

Linear Low Density Polyethylene

Formosa Plastics Corporation

Message:

TAISOX 3414 is a linear low density polyethylene material. This product is available in North America, Europe or Asia Pacific region. The processing method is blow molded film.
The main features of TAISOX 3414 are:
Antiblock software
slide
Good stiffness
Good sealing performance
Good toughness
Typical application areas include:
bag/lining
Wrapping
Movie
additive/masterbatch

General Information			
Additive	Moderate caking resistance Moderate smoothness		
Features	Low density Rigid, good Good stripping Good heat sealability Good toughness Moderate caking resistance Moderate smoothness		
Uses	Films Bags Mixing Stretch winding		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.926	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	38	µm	
secant modulus			ASTM D882

1% secant, MD: 38 µm, blown film	226	MPa	ASTM D882
1% secant, TD: 38 µm, blown film	304	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 38 µm, blown film	11.8	MPa	ASTM D882
TD: Yield, 38 µm, blown film	12.7	MPa	ASTM D882
MD: Broken, 38 µm, blown film	43.1	MPa	ASTM D882
TD: Broken, 38 µm, blown film	33.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 38 µm, blown film	600	%	ASTM D882
TD: Broken, 38 µm, blown film	800	%	ASTM D882
Dart Drop Impact (38 µm, Blown Film)	90	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 38 µm, blown film	120	g	ASTM D1922
TD: 38 µm, blown film	530	g	ASTM D1922
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	95.0	°C	ASTM D1525
Melting Temperature	124	°C	
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 38.0 µm, Blown Film)	47		ASTM D2457
Clarity	50.0		ASTM D1746
Haze (38.0 µm, Blown Film)	17	%	ASTM D1003
Additional Information			

Blow Up Ratio: 2

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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Phone: +86 13424755533

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WECHAT