

# TAISOX 3314

Linear Low Density Polyethylene

Formosa Plastics Corporation

## Message:

TAISOX 3314 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 3314 are:

Antiblock software

slide

Good sealing performance

beautiful

Typical application areas include:

packing

Movie

application of coating

General Information			
Additive	Moderate caking resistance Moderate smoothness		
Features	Low density Optical Good heat sealability Moderate caking resistance Moderate smoothness		
Uses	Films Laminate Food packaging		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	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	196	MPa	ASTM D882
1% secant, TD: 38 µm, blown film	226	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 38 µm, blown film	9.81	MPa	ASTM D882
TD: Yield, 38 µm, blown film	10.8	MPa	ASTM D882

MD: Broken, 38 µm, blown film	34.3	MPa	ASTM D882
TD: Broken, 38 µm, blown film	27.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 38 µm, blown film	630	%	ASTM D882
TD: Broken, 38 µm, blown film	800	%	ASTM D882
Dart Drop Impact (38 µm, Blown Film)	110	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 38 µm, blown film	170	g	ASTM D1922
TD: 38 µm, blown film	460	g	ASTM D1922
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	93.0	°C	ASTM D1525
Melting Temperature	122	°C	
<b>Optical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Gloss (45°, 38.0 µm, Blown Film)	55		ASTM D2457
Clarity	65.0		ASTM D1746
Haze (38.0 µm, Blown Film)	12	%	ASTM D1003
<b>Additional Information</b>			

Blow Up Ratio: 2

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