

TAISOX 3214

Linear Low Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 3214 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 3214 are:

- Antiblock software
- high strength
- slide
- Good sealing performance
- Puncture resistance

Typical application areas include:

- bag/lining
- Wrapping
- Movie
- Agriculture

General Information			
Additive	Moderate caking resistance		
	Moderate smoothness		
Features	Low density		
	High tensile strength		
	Perforation resistance		
	Good stripping		
	Good heat sealability		
	Moderate caking resistance		
	Moderate smoothness		
Uses	Films		
	Lining		
	Bags		
	Stretch winding		
	Agricultural application		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	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	142	MPa	ASTM D882
1% secant, TD: 38 µm, blown film	157	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	40.2	MPa	ASTM D882
TD: Broken, 38 µm, blown film	31.4	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 38 µm, blown film	620	%	ASTM D882
TD: Broken, 38 µm, blown film	840	%	ASTM D882
Dart Drop Impact (38 µm, Blown Film)	150	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 38 µm, blown film	220	g	ASTM D1922
TD: 38 µm, blown film	560	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	93.0	°C	ASTM D1525
Melting Temperature	122	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 µm, Blown Film)	47		ASTM D2457
Clarity	53.0		ASTM D1746
Haze (38.0 µm, Blown Film)	15	%	ASTM D1003
Additional Information			

Blow Up Ratio: 2

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