

TAISOX 2114

Linear Low Density Polyethylene

Formosa Plastics Corporation

Message:

TAISOX 2114 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 2114 are:

Antiblock software

high strength

slide

Good tear strength

Good sealing performance

The typical application fields of TAISOX 2114 are: movies

General Information			
Additive	High smoothness		
	High caking resistance		
Features	Ultra-high impact resistance		
	Low density		
	High smoothness		
	High caking resistance		
	High strength		
	Good heat sealability		
	Good tear strength		
Uses	Films		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.918	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	157	MPa	ASTM D882
1% secant, TD: 38 µm, blown film	196	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	49.0	MPa	ASTM D882
TD: Broken, 38 µm, blown film	44.1	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Broken, 38 µm, blown film	620	%	ASTM D882
TD: Broken, 38 µm, blown film	810	%	ASTM D882
Dart Drop Impact (38 µm, Blown Film)	610	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 38 µm, blown film	460	g	ASTM D1922
TD: 38 µm, blown film	760	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	121	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 µm, Blown Film)	51		ASTM D2457
Clarity	60.0		ASTM D1746
Haze (38.0 µm, Blown Film)	15	%	ASTM D1003
Additional Information			

Blow Up Ratio: 2

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