TAISOX 2214

Linear Low Density Polyethylene

Formosa Plastics Corporation

Message:

TAISOX 2214 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 2214 are:
Antiblock software
slide
Good tear strength
Good sealing performance
Impact resistance
Typical application areas include:
bag/lining
Wrapping
Movie

General Information			
Additive	High smoothness High caking resistance		
Features	Low density High smoothness High caking resistance Perforation resistance Impact resistance, high Good heat sealability Good tear strength		
Uses	Films Stretch winding Heavy packing bag		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.920	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	186	MPa	ASTM D882
1% secant, TD: 38 µm, blown film	235	MPa	ASTM D882

Tensile Strength			ASTM D882
MD: Yield, 38 µm, blown film	10.3	MPa	ASTM D882
TD: Yield, 38 µm, blown film	10.8	MPa	ASTM D882
MD: Broken, 38 µm, blown film	41.2	MPa	ASTM D882
TD: Broken, 38 µm, blown film	33.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 38 µm, blown film	580	%	ASTM D882
TD: Broken, 38 µm, blown film	760	%	ASTM D882
Dart Drop Impact (38 µm, Blown Film)	260	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 38 µm, blown film	360	g	ASTM D1922
TD: 38 µm, blown film	820	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)	51		ASTM D2457
Clarity	60.0		ASTM D1746
Haze (38.0 µm, Blown Film)	15	%	ASTM D1003
Additional Information			
Blow Up Ratio: 2			

Recommended distributors for this material

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