

TAISOX 3220

Linear Low Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 3220 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 3220 are:

- Antioxidants
- Good sealing performance

Typical application areas include:

- Wrapping
- Movie

General Information			
Additive	Antioxidation		
Features	Low density		
	Antioxidation		
	Good stripping		
	Good heat sealability		
Uses	Films		
	Stretch winding		
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)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	ASTM D882
secant modulus			
1% secant, MD: 38 µm, blown film	147	MPa	ASTM D882
1% secant, TD: 38 µm, blown film	206	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	35.3	MPa	ASTM D882
TD: Broken, 38 µm, blown film	27.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 38 µm, blown film	600	%	ASTM D882
TD: Broken, 38 µm, blown film	800	%	ASTM D882
Dart Drop Impact (38 µm, Blown Film)	120	g	ASTM D1709

Elmendorf Tear Strength			ASTM D1922
MD: 38 µm, blown film	61	g	ASTM D1922
TD: 38 µm, blown film	650	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)	43		ASTM D2457
Clarity	67.0		ASTM D1746
Haze (38.0 µm, Blown Film)	22	%	ASTM D1003
Additional Information			

Blow Up Ratio: 2

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

