

TAISOX 3410

Linear Low Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 3410 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 3410 are:

- Antioxidants
- Good stiffness
- Good sealing performance
- Good toughness

Typical application areas include:

- bag/lining
- Wrapping
- Movie
- additive/masterbatch

General Information			
Additive	Antioxidation		
Features	Low density		
	Rigid, good		
	Antioxidation		
	Good stripping		
	Good heat sealability		
Uses	Good toughness		
	Films		
	Bags		
	Mixing		
Forms	Stretch winding		
	Particle		
	Blow film		
	Processing Method		
Physical	Nominal Value	Unit	Test Method
Density	0.926	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	ASTM D882
secant modulus			
1% secant, MD: 38 µm, blown film	226	MPa	ASTM D882
1% secant, TD: 38 µm, blown film	304	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 38 µm, blown film	11.8	MPa	ASTM D882

TD: Yield, 38 μm, blown film	12.7	MPa	ASTM D882
MD: Broken, 38 μm, blown film	43.1	MPa	ASTM D882
TD: Broken, 38 μm, blown film	33.3	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)	90	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 38 μm, blown film	120	g	ASTM D1922
TD: 38 μm, blown film	530	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	95.0	°C	ASTM D1525
Melting Temperature	124	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 μm, Blown Film)	44		ASTM D2457
Clarity	55.0		ASTM D1746
Haze (38.0 μm, Blown Film)	15	%	ASTM D1003
Additional Information			
Blow Up Ratio: 2			

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