TAISOX 2125

Linear Low Density Polyethylene

Formosa Plastics Corporation

Message:

TAISOX 2125 is a linear low density polyethylene material. This product is available in North America, Europe or Asia Pacific region. The processing method is: cast film. The main characteristics of TAISOX 2125 are puncture resistance.
Typical application areas include:
Wrapping
Movie

General Information			
Additive	Zinc oxide		
Features	Low density Perforation resistance Good stripping		
Uses	Stretch winding cast film		
Forms	Particle		
Processing Method	cast film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.918	g/cm³	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	20	µm	
secant modulus			ASTM D882
1% secant, MD: 20 µm, cast film	177	MPa	ASTM D882
1% secant, TD: 20 µm, cast film	167	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 20 µm, extruded film	9.81	MPa	ASTM D882
TD: Yield, 20 µm, extruded film	10.8	MPa	ASTM D882
MD: Fracture, 20 µm, extruded film	32.4	MPa	ASTM D882
TD: Fracture, 20 µm, extruded film	24.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 20 µm, extruded film	540	%	ASTM D882
TD: Fracture, 20 µm, extruded film	710	%	ASTM D882
Dart Drop Impact (20 µm, Cast Film)	150	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 20 µm, cast film	210	g	ASTM D1922
TD: 20 µm, cast film	460	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°, 20.0 µm, Cast Film)	96		ASTM D2457
Clarity	95.0		ASTM D1746
Haze (20.0 µm, Cast Film)	3.0	%	ASTM D1003
Additional Information			
Blow Up Ratio: 2			

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