

# TAISOX 3225

Linear Low Density Polyethylene  
Formosa Plastics Corporation

Message:

TAISOX 3225 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 3225 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	0.920	g/cm <sup>3</sup>	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	147	MPa	ASTM D882
1% secant, TD: 20 µm, cast film	206	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	35.3	MPa	ASTM D882
TD: Fracture, 20 µm, extruded film	27.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 20 µm, extruded film	600	%	ASTM D882
TD: Fracture, 20 µm, extruded film	800	%	ASTM D882
Dart Drop Impact (20 µm, Cast Film)	120	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 20 µm, cast film	88	g	ASTM D1922
TD: 20 µm, cast film	240	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°, 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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#### Recommended distributors for this material

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