

TAISOX 6330F

Low Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 6330F is a low density polyethylene material. This product is available in North America, Europe or Asia Pacific.
The main features of TAISOX 6330F are:
Good processability
beautiful
Typical application areas include:
Movie
application of coating

General Information			
Features	Low density		
	Optical		
	Workability, good		
	General		
Uses	Films		
	Laminate		
	General		
Appearance	Clear/transparent		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	9.81	MPa	ASTM D638
Fracture	14.7	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	177	MPa	ASTM D790
Coefficient of Friction (Blown Film)	0.50		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	μm	
Film Thickness - Recommended / Available	1-3.1 mil (25-80 μ)		
secant modulus			ASTM D882
1% secant, MD: 30 μm, blown film	196	MPa	ASTM D882

1% secant, TD: 30 μm, blown film	226	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 30 μm, blown film	9.81	MPa	ASTM D882
TD: Yield, 30 μm, blown film	10.8	MPa	ASTM D882
MD: Broken, 30 μm, blown film	22.6	MPa	ASTM D882
TD: Broken, 30 μm, blown film	17.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 30 μm, blown film	280	%	ASTM D882
TD: Broken, 30 μm, blown film	580	%	ASTM D882
Dart Drop Impact (30 μm, Blown Film)	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 30 μm, blown film	210	g	ASTM D1922
TD: 30 μm, blown film	150	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	96.0	°C	ASTM D1525
Melting Temperature	113	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 30.0 μm, Blown Film)	95		ASTM D2457
Haze (30.0 μm, Blown Film)	6.5	%	ASTM D1003
Additional Information			

Film extrusion preparation parameters:

Screw: 60 mm

L/D: 30

Blow up ratio: 2.5

Temperature 160 to 200°C

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Recommended distributors for this material

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