

TAISOX 6534F

Low Density Polyethylene
Formosa Plastics Corporation

Message:

TAISOX 6534F is a low density polyethylene material. This product is available in North America, Europe or Asia Pacific.
The main features of TAI SOX 6534F are:
Antiblock software
slide
beautiful
The typical application fields of TAI SOX 6534F are: movies

General Information			
Additive	High smoothness		
	Moderate caking resistance		
Features	Low density		
	High smoothness		
	Optical		
	Good stripping		
	Moderate caking resistance		
Uses	Films		
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)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	10.8	MPa	ASTM D638
Fracture	13.7	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	177	MPa	ASTM D790
Coefficient of Friction (Blown Film)	0.12		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	
Film Thickness - Recommended / Available	0.6-2.4 mil (15-60 µ)		
secant modulus			ASTM D882
1% secant, MD: 30 µm, blown film	186	MPa	ASTM D882

1% secant, TD: 30 μm, blown film	216	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 30 μm, blown film	10.8	MPa	ASTM D882
TD: Yield, 30 μm, blown film	11.8	MPa	ASTM D882
MD: Broken, 30 μm, blown film	16.7	MPa	ASTM D882
TD: Broken, 30 μm, blown film	14.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 30 μm, blown film	270	%	ASTM D882
TD: Broken, 30 μm, blown film	500	%	ASTM D882
Dart Drop Impact (30 μm, Blown Film)	70	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 30 μm, blown film	240	g	ASTM D1922
TD: 30 μm, blown film	180	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	92.0	°C	ASTM D1525
Melting Temperature	112	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 30.0 μm, Blown Film)	90		ASTM D2457
Haze (30.0 μm, Blown Film)	8.0	%	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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