TAISOX 6634F

Low Density Polyethylene

Formosa Plastics Corporation

Message:

TAISOX 6634F is a low density polyethylene material. This product is available in North America, Europe or Asia Pacific region. The processing method is injection molding.
The main features of TAISOX 6634F are:
Antiblock software
high liquidity
slide
Hard
The typical application fields of TAISOX 6634F are: movies

General Information			
Additive	High smoothness Moderate caking resistance		
Features	Low density High smoothness High liquidity Moderate caking resistance Medium hardness		
Uses	Films		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.924	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	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	11.8	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	186	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	0.4-2 mil (10-50 µ)		

secant modulus			ASTM D882
1% secant, MD: 30 µm, blown film	177	MPa	ASTM D882
1% secant, TD: 30 µm, blown film	206	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	15.7	MPa	ASTM D882
TD: Broken, 30 µm, blown film	13.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 30 µm, blown film	280	%	ASTM D882
TD: Broken, 30 µm, blown film	500	%	ASTM D882
Dart Drop Impact (30 µm, Blown Film)	65	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 30 µm, blown film	240	g	ASTM D1922
TD: 30 µm, blown film	1900	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
Temperature160 to 200°C

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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