TAISOX 6323F

Low Density Polyethylene

Formosa Plastics Corporation

Message:

TAISOX 6323F is a low density polyethylene material. This product is available in North America, Europe or Asia Pacific region. The processing method is blow molding.
The main features of TAISOX 6323F are:
slide
Good processability
crosslinkable
Good flexibility
beautiful
Typical application areas include:
bag/lining
Movie
Foam

General Information			
Additive	Moderate smoothness		
Features	Low density Optical Workability, good Crosslinkable Good flexibility General Moderate smoothness		
Uses	Films Bags Foam General		
Forms	Particle		
Processing Method	Blow molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.918	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	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	9.81	MPa	ASTM D638
Fracture	14.7	MPa	ASTM D638

Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	167	MPa	ASTM D790
Coefficient of Friction (Blown Film)	0.13		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	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	9.81	MPa	ASTM D882
TD: Yield, 30 µm, blown film	10.8	MPa	ASTM D882
MD: Broken, 30 µm, blown film	20.6	MPa	ASTM D882
TD: Broken, 30 µm, blown film	16.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 30 µm, blown film	250	%	ASTM D882
TD: Broken, 30 µm, blown film	550	%	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	95.0	°C	ASTM D1525
Melting Temperature	110	°C	
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 30.0 µm, Blown Film)	60		ASTM D2457
Haze (30.0 µm, Blown Film)	13	%	ASTM D1003

Additional Information

Film extrusion preparation parameters:
Screw: 60 mm
L/D: 30
Blow up ratio: 2.5
Temperature160 to 200°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China