

TOTAL Polyethylene HDPE 6410

High Density (MMW) Polyethylene

TOTAL Refining & Chemicals

Message:

TOTAL Polyethylene 6410 is a high density (MMW) polyethylene material. This product is available in North America or Asia Pacific region. The processing method is: film extrusion or co-extrusion molding.

The main features of TOTAL Polyethylene 6410 are:

Comply with REACH standard

High stiffness

Good processability

Transparency

Typical application areas include:

bag/lining

Movie

General Information	
Features	Rigidity, high
	Workability, good
	Definition, high
	Medium molecular weight
	Barrier resin
Uses	Films
	Lining
	Bags
Agency Ratings	EC 1907/2006 (REACH)
Forms	Particle
Processing Method	Film extrusion
	Co-extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.961	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	1.2	g/10 min	ASTM D1238
190°C/21.6 kg	33	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus ¹			ASTM D882A
1% secant, MD: 25 µm, blown film	862	MPa	ASTM D882A
2% secant, MD: 25 µm, blown film	689	MPa	ASTM D882A
1% secant, TD: 25 µm, blown film	883	MPa	ASTM D882A
2% secant, TD: 25 µm, blown film	703	MPa	ASTM D882A
Tensile Strength ²			ASTM D882A

MD: Yield, 25 µm, blown film	26.2	MPa	ASTM D882A
TD: Yield, 25 µm, blown film	27.6	MPa	ASTM D882A
MD: Broken, 25 µm, blown film	51.7	MPa	ASTM D882A
TD: Broken, 25 µm, blown film	23.4	MPa	ASTM D882A
Tensile Elongation ³			ASTM D882A
MD: Broken, 25 µm, blown film	700	%	ASTM D882A
TD: Broken, 25 µm, blown film	700	%	ASTM D882A
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	24	g	ASTM D1922
TD: 25 µm, blown film	390	g	ASTM D1922
Water Vapor Transmission Rate (38°C, 25 µm, Blown Film)	6.2	g/m ² /24 hr	ASTM F1249
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	134	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gardner Gloss (25.4 µm, Blown Film)	50		ASTM D523
Haze (25.4 µm, Blown Film)	15	%	ASTM D1003
Additional Information			
WVTR, ASTM E96, 100°F, Blown Film, 1 mil: 0.4 g/100in ² /day			
NOTE			
1.	25 mm/min		
2.	510 mm/min		
3.	510 mm/min		

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



WECHAT