

Petrothene® Select GS906062

Linear Low Density Polyethylene

LyondellBasell Industries

Message:

The Petrothene Select series of resins are high performance hexene, linear low density polyethylenes selected by customers for use in blown film applications that require superior strength and toughness. Petrothene Select GS906 has a melt index of 0.6 g/10 min which can contribute to films having very high dart impact as well as excellent melt strength during blown film fabrication. Typical applications include trash can liners, heavy duty bags, shipping sacks and industrial packaging.

General Information			
Additive	Processing aid		
	Anti-caking agent (6500 ppm)		
	Slip agent (1350 ppm)		
Features	hexene comonomer		
	Impact resistance, high		
	Good strength		
	Good melt strength		
	Good toughness		
	Compliance of Food Exposure		
Uses	Blown Film		
	Packaging		
	Films		
	Lining		
	Industrial application		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 175.1520		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D638
1% secant, MD: 25 µm, blown film	186	MPa	ASTM D638
1% secant, TD: 25 µm, blown film	200	MPa	ASTM D638
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	65.5	MPa	ASTM D882
TD: Broken, 25 µm, blown film	48.3	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Broken, 25 μ m, blown film	500	%	ASTM D882
TD: Broken, 25 μ m, blown film	700	%	ASTM D882
Dart Drop Impact (25 μ m, Blown Film)	650	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 25 μ m, blown film	450	g	ASTM D1922
TD: 25 μ m, blown film	650	g	ASTM D1922

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

