MarFlex® 7105D

Linear Low Density Polyethylene

Chevron Phillips Chemical Company LLC

Message:

MarFlex®7105D is a linear low density polyethylene material. This product is available in North America or Latin America. The processing method is blow molded film.
MarFlex®The main features of 7105D are:
high strength
hexene comonomer
Good processability
processing aids
Typical application areas include:
bag/lining
packing
Movie
industrial applications

General Information			
Additive	Processing aid		
Features	High strength hexene comonomer Workability, good Good stripping		
Uses	Packaging Films Lining Industrial application Heavy packing bag		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.918	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	1.5		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
secant modulus			ASTM D882
1% secant, MD: 25 µm, blown film	200	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	221	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	59.0	MPa	ASTM D882

TD: Broken, 25 µm, blown film	43.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	550	%	ASTM D882
TD: Broken, 25 µm, blown film	710	%	ASTM D882
Dart Drop Test - Blown Film (25.4 µm)	193.0	kN/m	ASTM D1709
Elmendorf Tear Strength [1]			ASTM D1922
MD : 25.4 µm	162.2	kN/m	ASTM D1922
TD : 25.4 µm	231.7	kN/m	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 25.4 µm, Blown Film)	90		ASTM D2457
Haze (25.4 µm, Blown Film)	11	%	ASTM D1003
Additional Information			
Blown Film produced on 3.5 in extruder, 30:1 L/D, 8 in Die, 80 mil Die Gap, 2.5:1 BUR, 440°F Melt Temperature.			
NOTE			
1.	Blown Film		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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