Trademark PE LLH2942

Linear Low Density Polyethylene

Trademark Plastics Corporation

Message:

Trademark PE LLH2942 is a linear low density polyethylene product. It can be processed by blown film or cast film and is available in North America. The application fields of Trademark PE LLH2942 include film, agriculture, cleaning application and food contact application.
Features include:
High stiffness
high strength
hexene comonomer
accessible food
heat stabilizer

General Information	
Additive	heat stabilizer
Features	Rigidity, high High tensile strength hexene comonomer Thermal Stability Compliance of Food Exposure Medium density
Uses	Films cast film Agricultural application Bathroom products
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a
Forms	Particles
Processing Method	Blow film cast film

Physical	Nominal Value	Unit	Test Method
Density	0.942	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
secant modulus			ASTM D882
1% secant, MD: 25 µm, blown film	545	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	689	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	49.0	MPa	ASTM D882

TD: Broken, 25 µm, blown film	41.4	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	760	%	ASTM D882
TD: Broken, 25 µm, blown film	920	%	ASTM D882
Dart Drop Impact (25 µm, Blown Film)	< 50	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	20	g	ASTM D1922
TD: 25 µm, blown film	110	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	41		ASTM D2457
Haze (25.4 µm, Blown Film)	18	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	177 - 204	°C	
Extrusion instructions			

Blow-up ratio: 2:1 or higher

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

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