mPact™ D139

Metallocene Linear Low Density Polyethylene

Chevron Phillips Chemical Company LLC

Message:

This mLLDPE is tailored for applications that require:
Excellent clarity
Excellent gloss
Excellent toughness
Excellent heat seal
Typical blown film applications include:
Seal layer in coextrusions
Heavy duty packaging
Clarity packaging

General Information	
Additive	Processing aid
Features	Highlight Good heat sealability Good flexibility Definition, high Good toughness
Uses	Blown Film Packaging
Forms	Particle
Processing Method	Blow film Co-extrusion molding

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	> 1.0		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
secant modulus			ASTM D882
1% secant, MD: 25 µm, blown film	179	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	208	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm, blown film	12.8	MPa	ASTM D882
TD: Yield, 25 µm, blown film	10.0	MPa	ASTM D882

MD: Broken, 25 µm, blown film	74.5	MPa	ASTM D882
TD: Broken, 25 µm, blown film	57.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	500	%	ASTM D882
TD: Broken, 25 µm, blown film	600	%	ASTM D882
Dart Drop Impact (25 µm, Blown Film)	> 700	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	220	g	ASTM D1922
TD: 25 µm, blown film	430	g	ASTM D1922
Seal Initiation Temperature [1] (25 µm, Blown Film)	102	°C	ASTM F88
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°, 25.4 µm, Blown Film)	130		ASTM D2457
Haze (25.4 µm, Blown Film)	4.0	%	ASTM D1003
Additional Information			
Blown Film produced on LLDPE line, 2.5:1 BUR, 80 mil Die Gap 8 in Die, 250 lbs/hr, 400°F Melt Temperature.			
NOTE			
1.	Temperature at which 0.3 lb/in heat seal strength is achieved. 0.5 s dwell, 30 psi pressure, 11.8 in/min separation rate.		

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