

Formolene® L42022B

Linear Low Density Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® L42022B is a general-purpose film grade linear low density made using gas-phase technology. Formolene® L42022B exhibits excellent toughness and strength when drawn down to thin gauges in blown and cast film applications.

Formolene L42022 meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

L42022B is the additive free version of this material.

General Information			
Features	Butene Comonomer		
	Food Contact Acceptable		
	General Purpose		
	Good Drawdown		
	Good Strength		
	Good Toughness		
Uses	Blending		
	Cast Film		
	Film		
	General Purpose		
	Industrial Applications		
	Laundry Bags		
	Liners		
	Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
	Coextruded Film		
	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	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	

Tensile Strength			ASTM D882
MD : Break, 25 μ m	26.9	MPa	
TD : Break, 25 μ m	18.6	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 μ m	600	%	
TD : Break, 25 μ m	800	%	
Dart Drop Impact (25 μ m)	65	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 μ m	110	g	
TD : 25 μ m	570	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 μ m)	40		ASTM D2457
Haze (25.0 μ m)	35	%	ASTM D1003

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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

