

MARPOL® mLLF 801-B

Metallocene Linear Low Density Polyethylene

Marco Polo International, Inc.

Message:

MARPOL mLLF 801-B is an ethylene based polymer produced with Metallocene single site catalyst. Films made of mLLF 801-B have outstanding tensile, impact, puncture, resistance and low temperature properties. It is a ready to use versatile polymer for demanding mono layer and multi layer blown film applications.

Applications include film for frozen food, high speed form-fill seal packaging, overwrap film, thin gauge industrial and consumer films, bag in box film, trash bags and liners.

General Information			
Features	Low density		
	Perforation resistance		
	Impact resistance, high		
	Low temperature resistance		
Uses	Blown Film		
	Packaging		
	Films		
	Lining		
	Bags		
	Multilayer film		
	Industrial application		
	Consumer goods application field		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Yield	9.03	MPa	ASTM D882
TD: Yield	8.48	MPa	ASTM D882
MD: Fracture	46.1	MPa	ASTM D882
TD: Fracture	32.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	470	%	ASTM D882
TD: Fracture	550	%	ASTM D882
Dart Drop Impact	580	g	ASTM D1003
Elmendorf Tear Strength			ASTM D1922
MD	270	g	ASTM D1922

TD	440	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	119	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Haze	16	%	ASTM D1003

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