

MARPOL® mLLF 801-CSB

Metallocene Linear Low Density Polyethylene

Marco Polo International, Inc.

Message:

MARPOL mLLF 801-CSB is a clarity grade ethylene based polymer produced with Metallocene single site catalyst. This grade has excellent clarity and outstanding tensile, impact, puncture, resistance and low temperature properties. mLLF 801-CSB contains slip and antiblock making it suitable for formulations which require good openability and a low friction coefficient.

Recommended Applications

Clarity packaging, frozen food packaging, high speed form-fill seal packaging, heavy duty packaging, bag in box film, trash bags and liners.

General Information	
Additive	Anti-caking agent slip agent
Features	Low density Low friction coefficient smoothness Perforation resistance Anti-caking property Impact resistance, high Low temperature resistance Definition, high
Uses	Packaging Films Lining Bags Food packaging

Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Yield	12.4	MPa	ASTM D882
TD: Yield	9.65	MPa	ASTM D882
MD: Fracture	51.7	MPa	ASTM D882
TD: Fracture	44.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	450	%	ASTM D882
TD: Fracture	500	%	ASTM D882

Dart Drop Impact	700	g	ASTM D1003
Elmendorf Tear Strength			ASTM D1922
MD	250	g	ASTM D1922
TD	500	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	105		ASTM D1894
Haze	16	%	ASTM D1003

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