



# MARPOL® LL6F 801-SB

Marco Polo International, LLC - Linear Low Density Polyethylene

Friday, January 6, 2023

## General Information

### Product Description

Recommended Applications:

Premium trash bags, ice bags, blend resin and stretch wrap film

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Antiblock		
Features	• Antiblocking	• Hexene Comonomer	• Slip
Uses	• Bags • Blending	• Film • Stretch Wrap	

## ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.918	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tear Strength			ASTM D1922
MD	158.3	kN/m	
TD	251.0	kN/m	
Films	Nominal Value	Unit	Test Method
Secant Modulus - 1% Secant, MD	170	MPa	ASTM D882
Secant Modulus - 1% Secant, TD	200	MPa	ASTM D882
Tensile Strength - MD (Yield)	10.0	MPa	ASTM D882
Tensile Strength - TD (Yield)	11.0	MPa	ASTM D882
Tensile Strength - MD (Break)	44.1	MPa	ASTM D882
Tensile Strength - TD (Break)	37.9	MPa	ASTM D882
Tensile Elongation - MD (Break)	540	%	ASTM D882
Tensile Elongation - TD (Break)	820	%	ASTM D882
Dart Drop Impact	230	g	ASTM D1709A
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	50		ASTM D2457
Haze	12.0	%	ASTM D1003

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.