

# MARPOL® LL4F 809-HSB

Linear Low Density Polyethylene

Marco Polo International, Inc.

Message:

Description: MARPOL® LL4F 809-HSB is a general-purpose film grade linear low density made using the BP Gas Phase Process™. The resin exhibits excellent toughness and strength when drawn down to thin gauges.  
Recommended Applications: Blending resin, industrial packaging, co-extrusion, industrial liners, garment bags.

General Information			
Additive	High Antiblock		
	High Slip		
Features	Butene Comonomer		
	Good Drawdown		
	Good Strength		
	Good Toughness		
	High Antiblocking		
	High Slip		
Uses	Bags		
	Blending		
	General Purpose		
	Industrial Applications		
	Liners		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Processing Method	Coextrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.95	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Break	31.7	MPa	
TD : Break	24.1	MPa	
Tensile Elongation			ASTM D882
MD : Break	540	%	
TD : Break	800	%	

Dart Drop Impact	75	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	25		ASTM D523
Haze	22	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Tear Strength			ASTM D1922
MD	42.5	kN/m	
TD	251.0	kN/m	

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#### Recommended distributors for this material

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