

# MARPOL® LDF 701-B

Low Density Polyethylene  
Marco Polo International, Inc.

Message:

Recommended Applications  
Bread bags, co-extrusion films, collation shrink, diaper backsheets, foams, high performance collation, shrink, hygiene packaging, label film, laminating film and overwrap paper and film.

Description  
MARPOL® LDF 701-B is a homopolymer film resin with great clarity and stiffness. Film made from this resin may be used in overwrap applications and in push-through type packaging equipment.

General Information			
Additive	Antiblock		
Features	Antiblocking		
	High Clarity		
	High Stiffness		
	Homopolymer		
Uses	Bags		
	Film		
	Foam		
	Packaging		
	Shrink Wrap		
Processing Method	Coextrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	234	MPa	
1% Secant, TD	290	MPa	
Tensile Strength			ASTM D882
MD : Yield	11.0	MPa	
TD : Yield	11.7	MPa	
MD : Break	25.5	MPa	
TD : Break	22.1	MPa	
Tensile Elongation			ASTM D882
MD : Break	130	%	

TD : Break	540	%	
Dart Drop Impact	160	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	510	g	
TD	140	g	
Thermal	Nominal Value	Unit	
Peak Melting Temperature	113	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	57		ASTM D2457
Haze	9.6	%	ASTM D1003

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#### Recommended distributors for this material

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