

MARPOL® LL6F 801

Linear Low Density Polyethylene

Marco Polo International, Inc.

Message:

Recommended Applications:
Premium trash bags, ice bags, and stretch wrap film

General Information			
Features	Hexene Comonomer		
Uses	Bags		
	Film		
	Stretch Wrap		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.916	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238

Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	170	MPa	
1% Secant, TD	200	MPa	
Tensile Strength			ASTM D882
MD : Yield	10.0	MPa	
TD : Yield	11.0	MPa	
MD : Break	44.1	MPa	
TD : Break	37.9	MPa	
Tensile Elongation			ASTM D882
MD : Break	540	%	
TD : Break	820	%	
Dart Drop Impact	230	g	ASTM D1709A

Optical	Nominal Value	Unit	Test Method
Gloss (45°)	50		ASTM D2457
Haze	12	%	ASTM D1003

Additional Information	Nominal Value	Unit	Test Method
Tear Strength			ASTM D1922
MD	158.3	kN/m	
TD	251.0	kN/m	

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