

MARPOL® LL6F 804

Linear Low Density Polyethylene

Marco Polo International, Inc.

Message:

Description: MARPOL® LLHF 804 is a hexene medium density polyethylene cast film resin designed for applications requiring high strength and stiffness. Films produced with this resin demonstrate good tensile and puncture resistance properties.

Recommended Applications

Agricultural film, cast film, overwrap film, and diaper backsheets

General Information			
Features	Hexene Comonomer		
	High Stiffness		
	High Strength		
	High Tensile Strength		
	Puncture Resistant		
Uses	Agricultural Applications		
	Cast Film		
	Film		
	Sanitary Products		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.942	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.3	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	379	MPa	
1% Secant, TD	427	MPa	
Tensile Strength			ASTM D882
MD : Yield	16.5	MPa	
TD : Yield	17.2	MPa	
MD : Break	50.3	MPa	
TD : Break	34.5	MPa	
Tensile Elongation			ASTM D882
MD : Break	590	%	
TD : Break	830	%	
Dart Drop Impact	< 50	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	20	g	

TD	170	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	82		ASTM D2457
Haze	3.4	%	ASTM D1003

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Recommended distributors for this material

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