

MARPOL® LL6F 809-HSB

Linear Low Density Polyethylene

Marco Polo International, Inc.

Message:

Description: MARPOL® LL6F 809-HSB is a hexene LLDPE resin designed for blown film applications requiring high strength for maximum downgauging potential.
Recommended Applications: General packaging, trash bags, ice bags, and trash can liners.

General Information			
Additive	Heat Stabilizer		
	High Antiblock		
	High Slip		
	Processing Aid		
Features	Heat Stabilized		
	Hexene Comonomer		
	High Antiblocking		
	High Slip		
	High Strength		
Uses	Bags		
	Film		
	Liners		
	Packaging		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	165	MPa	
1% Secant, TD	179	MPa	
Tensile Strength			ASTM D882
MD : Yield	7.58	MPa	
TD : Yield	8.27	MPa	
MD : Break	53.1	MPa	
TD : Break	41.4	MPa	
Tensile Elongation			ASTM D882
MD : Break	600	%	

TD : Break	600	%	
Dart Drop Impact	580	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	420	g	
TD	610	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	35		ASTM D2457
Haze	25	%	ASTM D1003

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

