MARPOL® LL6F 801-HSB

Marco Polo International, LLC - Linear Low Density Polyethylene

Wednesday, October 25, 2023

General Information

Product Description

MARPOL® LL6F 801-HSB is a hexene LLDPE resin designed for cast and blown film applications. Films produced by this resin display excellent toughness and strength as well as superb elongation, tear resistance and punture resistance.

Recommended Applications: Heavy duty industrial liners, trash can liners, retail bags

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• High Antiblock: 6250 ppm	• High Slip: 1000 ppm	• Processing Aid
Features	• Good Tear Strength • Hexene Comonomer • High Antiblocking	• High Elongation • High Slip • High Strength	• High Toughness • Low Density • Puncture Resistant
Uses	• Bags • Blown Film	• Cast Film • Liners	
Processing Method	• Blown Film	• Cast Film	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.925	g/cm³	ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength - MD (Break)	44.8	MPa	ASTM D882
Tensile Strength - TD (Break)	34.5	MPa	ASTM D882
Tensile Elongation - MD (Break)	500	%	ASTM D882
Tensile Elongation - TD (Break)	700	%	ASTM D882
Dart Drop Impact	200	g	ASTM D1709A
Elmendorf Tear Strength - MD	310	g	ASTM D1922
Elmendorf Tear Strength - TD	800	g	ASTM D1922
Thermal	**Nominal Value**	**Unit**	
Melting Temperature	231	°C	
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°)	45		ASTM D2457
Haze	16.0	%	ASTM D1003

Notes

[1] Typical properties: these are not to be construed as specifications.

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