

MARPOL® LL8F 805

Linear Low Density Polyethylene

Marco Polo International, Inc.

Message:

Product Features:

Good stiffness, easy processability, moderate toughness, moderate strength and excellent seal properties

Recommended Applications:

Heavy duty shipping sacks, industrial packaging, industrial liners, construction film and automatic packaging film

General Information			
Features	Low density		
	Rigid, good		
	Workability, good		
	Octene comonomer		
Uses	Packaging		
	Films		
	Lining		
	Industrial application		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.927	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD: 25 µm	234	MPa	ASTM D882
1% sectioning, MD: 76 µm	230	MPa	ASTM D882
1% secant, TD: 25 µm	251	MPa	ASTM D882
1% sectioning, TD: 76 µm	260	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm	11.0	MPa	ASTM D882
MD: Yield, 76 µm	12.4	MPa	ASTM D882
TD: Yield, 25 µm	12.4	MPa	ASTM D882
TD: Yield, 76 µm	12.4	MPa	ASTM D882
MD: Break, 25 µm	42.7	MPa	ASTM D882
MD: fracture, 76 µm	41.4	MPa	ASTM D882
TD: Break, 25 µm	33.1	MPa	ASTM D882
TD: fracture, 76 µm	35.2	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	490	%	ASTM D882

MD: fracture, 76 μm	630	%	ASTM D882
TD: Break, 25 μm	710	%	ASTM D882
TD: fracture, 76 μm	680	%	ASTM D882
Dart Drop Impact			ASTM D1709A
25 μm	160	g	ASTM D1709A
76 μm	450	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 μm	300	g	ASTM D1922
MD : 76 μm	1100	g	ASTM D1922
TD : 25 μm	750	g	ASTM D1922
TD : 76 μm	1500	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	220	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss			ASTM D2457
45°, 25.4 μm	50		ASTM D2457
45°, 76.2 μm	61		ASTM D2457
Haze			ASTM D1003
25.4 μm	14	%	ASTM D1003
76.2 μm	17	%	ASTM D1003

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