

MARPOL® LDF 723-C

Low Density Polyethylene

Marco Polo International, Inc.

Message:

MARPOL® LDF 723-C is a Low Density Polyethylene product. It is available in Asia Pacific, Europe, Latin America, or North America. Typical application: Food Contact Applications. Primary characteristic: food contact acceptable.

General Information			
Features	Food Contact Acceptable		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.9	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Toughness			ASTM D882
MD	196	J/cm ³	
TD	208	J/cm ³	
Tensile Strength			ASTM D882
MD : Yield	13.6	MPa	
TD : Yield	13.7	MPa	
MD : Break	25.0	MPa	
TD : Break	21.1	MPa	
Tensile Elongation			ASTM D882
MD : Break	550	%	
TD : Break	770	%	
Dart Drop Impact	86	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	360	g	
TD	470	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.8	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gloss	72		ASTM D2457

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