

# MARPOL® LDM 726

Low Density Polyethylene  
Marco Polo International, Inc.

Message:

Recommended Applications  
Housewares, overcaps, closures, labware, and food packaging containers

Description  
MARPOL® LDM 726 is a high flow, low density polyethylene resin engineered for greater processability, flexibility, and surface appearance. This is a multipurpose resin used for injection molding, compounding, and as a master base resin.

General Information			
Features	Good Flexibility		
	Good Processability		
	Good Surface Finish		
	High Flow		
Uses	Caps		
	Closures		
	Food Packaging		
	Household Goods		
	Labware		
	Masterbatch		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	26	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	86		
Shore D	42		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	13.8	MPa	
Break	6.89	MPa	
Tensile Elongation			ASTM D638
Yield	30	%	
Break	120	%	
Flexural Modulus - 1% Secant	234	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
-58°C	16.3	J	
-20°C	19.0	J	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	83.9	°C	ASTM D1525

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#### Recommended distributors for this material

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