

MARPOL® LDM 740

Low Density Polyethylene
Marco Polo International, Inc.

Message:

Recommended Applications
Caps, closures, compounding, injection molding, viscosity modifier, and master base resin

Description
MARPOL® LDM 740 is a high melt index, low density polyethylene resin engineered for injection molding and compounding applications that require high flow. This is an ideal resin for tear-to-open closures.

General Information			
Additive	Slip		
Features	High Flow		
	Slip		
Uses	Caps		
	Closures		
	Compounding		
	Masterbatch		
	Plastics Modification		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	88		
Shore D	43		
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	110	%	
Flexural Modulus - 1% Secant	283	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763

-58°C	19.0	J	
-36°C	21.7	J	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.1	°C	ASTM D1525

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Recommended distributors for this material

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