

MARPOL® LDM 733

Low Density Polyethylene
Marco Polo International, Inc.

Message:

Recommended Applications
Caps, closures, compounding, food packaging containers, houseware articles, injection molding and masterbatch base resin.

Description
MARPOL® LDM 733 is a high flow, low density PE homopolymer resin with good processability. It is designed for use in making color concentrates and injection molded items.

General Information			
Features	Good Processability		
	High Flow		
	Homopolymer		
Uses	Caps		
	Closures		
	Color Concentrates		
	Compounding		
	Food Containers		
	Food Packaging		
	Household Goods		
	Masterbatch		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	33	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	81		
Shore D	49		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	13.8	MPa	
Break	6.89	MPa	
Tensile Elongation			ASTM D638
Yield	20	%	
Break	130	%	

Flexural Modulus - 1% Secant	248	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
-58°C	16.3	J	
-20°C	21.7	J	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	91.1	°C	ASTM D1525

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Recommended distributors for this material

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