MARPOL
LDM 740S
Low Density Polyethylene

PRODUCT DATA SHEET

General Information

MARPOL LDM 740S 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-top closures.

General

Applications

- Caps
- Closures
- Compounding
- Masterbatch
- Plastics Modification

Features

- High flow
- Low density
- Slip

Processing Method

- Compounding
- Injection molding

ASTM & ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Melt Flow Rate (230oC/2.16 kg)	40	g/10 min	ASTM D1238
Density	0.922	g/cm^3	ASTM D1505

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength at Yield	13.8	MPa	ASTM D638
Tensile Strength at Break	6.9	MPa	ASTM D638
Tensile Elongation at Yield	30	%	ASTM D638

Notes: [1] Typical properties: there are not to be construed as specifications.

MARCO POLO INTERNATIONAL, INC.
Worldwide Distributors of Plastic Resins
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Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation at Break	110	%	ASTM D638
Flexural Modulus – 1% Secant	283	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
0 °C	21.7	J	
23 °C	19.0	J	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	88		
Shore D	43		

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.1	°C	ASTM D1525

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