

MARPOL® LDM 790

Low Density Polyethylene
Marco Polo International, Inc.

Message:

Recommended Applications
Injection molding, compounding, and industrial coatings

Description
MARPOL® LDM 790 is a low density polyethylene resin designed for tubular processing. This resin offers an excellent balance of processability and end use performance.

General Information			
Features	Good Processability		
Uses	Coating Applications		
	Compounding		
	Industrial Applications		
Processing Method	Coating		
	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	99		
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	200	%	
Flexural Modulus - 1% Secant	234	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact			ASTM D3763
-58°C	17.6	J	
-20°C	23.0	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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