

# LITEN MB 71

Polyethylene Homopolymer

UNIPETROL RPA

## Message:

LITEN MB 71 is a linear polyethylene, homopolymer with narrow molecular weight distribution, intended for injection moulding. It is suitable for manufacture of various types of crates, technical parts and other products for outdoor use requiring good rigidity, impact strength and resistance to warpage.

LITEN MB 71 meets the hygienic requirements on materials and articles intended for contact with foodstuffs according to Regulation (EC) 1935/2004 of the European Parliament and of the Council, as well as according to Commission Regulation (EU) No 10/2011 including changes and additions.

General Information			
Features	Good Impact Resistance		
	Homopolymer		
	Medium Rigidity		
	Narrow Molecular Weight Distribution		
	Warp Resistant		
Uses	Crates		
	Engineering Parts		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	8.5	g/10 min	
190°C/5.0 kg	23	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	58		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	26.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.5	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.5	kJ/m <sup>2</sup>	
23°C	6.5	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ISO 306

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