

MATERIAL SPECIFICATION

HIGH DENSITY POLYETHYLENE FOR INJECTION MOULDING

LITEN MB 71

Characteristics

LITEN MB 71 is a homopolymer with narrow molecular weight distribution. Typical application is manufacture of crates, bins, closures, technical parts and other products requiring high toughness and impact resistance.

Hygienic approval

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.

ISO designation

ISO 1872-PE,M,62-D090

<i>Quality parameter</i>	<i>Unit</i>	<i>Values</i>	<i>Test method</i>
Melt Flow Rate (190/2,16)	g/10 min	7,2 - 9,2	ISO 1133-1
Melt Flow Rate Ratio (21,6 kg/2,16 kg)	-	20 - 30	
Density (23 ± 0,1) °C	kg/m ³	min. 960	ISO 1183-2
Yellowness Index	standard	max. A	ASTM D 1925
Volatile Matter Content	%	max. 0,1	ISO 1269
Yield Stress	MPa	min. 23	ISO 527-1
Flexural Modulus of Elasticity	MPa	min. 950	ISO 178
Charpy Notched Impact Strength at 23 °C	kJ/m ²	min. 5,5	ISO 179-1
Vicat Softening Temperature	°C	min. 125	ISO 306

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