

# PE LITEN<sup>®</sup> MB 87

## MATERIAL SPECIFICATION

### PND 33-300 Linear polyethylene LITEN – Part 2

#### PE-HD FOR INJECTION MOULDING

##### Characteristics

LITEN MB 87 is a copolymer with narrow molecular weight distribution and higher melt flow rate. It exhibits good balance of toughness, impact resistance and good melt flow. Typical application is manufacture of houseware, food containers, pails, closures, pots, etc.

##### Hygienic approval

LITEN MB 87 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.

**Flammability** EN 13501-1: Class F

**International designation** ISO 17855-PE-HD,,M,57-D200

#### GUARRANTEED PARAMETERS

Parameter	Unit	Value	Test method
Melt flow rate (190 °C/2,16 kg)	g/10 min	17 - 28	ISO 1133-1
Melt flow rate ratio (21,6 kg/2,16 kg)	-	20 - 30	
Density (23 ± 0,1) °C	kg/m <sup>3</sup>	953 - 957	ISO 1183-2
Volatile matter content	%	<0,1	EN 12099
Yellowness index	-	standard A	ASTM D 1925
Yield stress	MPa	>21	ISO 527-1,2
Flexural modulus of elasticity	MPa	>850	ISO 178
Vicat softening temperature (10 N)	°C	>122	ISO 306

Issued by: Product Intelligence & TS Dept.

Phone: +420 476 162 912

Replaced edition: 06/2015

Issued: 02/2016