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## Product Information

### LITEN VB 33

#### Characteristic

**LITEN VB 33** is a linear polyethylene, homopolymer with medium molecular weight distribution and basic stabilization. It is suitable for extrusion of sheets and profiles (also for subsequent processing by thermoforming) and for blow moulding of hollow objects up to 5 litres requiring good rigidity, such as bottles and packages for surface-inactive liquids. The grade can be used for production of toys.

Typical properties and usage

Property	Unit	Typical value	Testing method
MELT FLOW RATE (190/2,16)	g/10 min	0.33	ISO 1133
MELT FLOW RATE (190/5)	g/10 min	1.30	ISO 1133
MELT FLOW RATE (190/21,6)	g/10 min	21.00	ISO 1133
DENSITY	kg/m <sup>3</sup>	956	ISO 1183
YIELD STRESS	MPa	27	ISO 527
TENSILE STRAIN AT YIELD	%	9.0	ISO 527
FLEXURAL MODULUS	MPa	1250	ISO 178
CHARPY NOTCHED IMPACT STRENGTH 23°C	kJ/m <sup>2</sup>	20.0	ISO 179
CHARPY NOTCHED IMPACT STRENGTH -30°C	kJ/m <sup>2</sup>	10.0	ISO 179
VICAT SOFTENING TEMPERATURE	°C	127	ISO 306
SHORE HARDNESS D	-	61	ISO 868
ESCR F50; 50 °C; 100% DETERGENT	h	11	ASTM D1693
CONTENT OF CARBON BLACK	%	-	ISO 6469

#### Notice:

Data from table are represent typical values of each property. It is informative data, i.e. doesn't extent of specification of this type.

**LITEN VB 33** meets the hygienic regulations concerning contact with food of the European Union (Commission Directives), Germany (BfR) and USA (FDA). The product is not classified as a dangerous preparation according to Directive 1999/45/EC.

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