

PE LITEN[®] BB 38

MATERIAL SPECIFICATION

PND 33-300 Linear polyethylene LITEN – Part 2

PE-HD FOR BLOW MOULDING

Characteristics

LITEN BB 38 is a copolymer with medium molecular weight distribution. It exhibits good impact strength and toughness. Typical application is manufacture of containers up to 5 litres. The grade is suitable for manufacture of packages for pharmaceutical purposes.

Hygienic approval

LITEN BB 38 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,,B,50-T022

GUARRANTEED PARAMETERS

Parameter	Unit	Value	Test method
Melt flow rate (190 °C/2,16 kg)	g/10 min	0,40 - 0,65	ISO 1133-1
Melt flow rate (190 °C/5 kg)	g/10 min	1,5 - 2,3	
Melt flow rate ratio (21,6 kg/2,16 kg)	-	45 - 75	
Density (23 ± 0,1) °C	kg/m ³	948 - 955	ISO 1183-2
Volatile matter content	%	<0,1	EN 12099
Yellowness index	-	standard B	ASTM D 1925
Yield stress	MPa	>23	ISO 527-1,2
Flexural modulus of elasticity	MPa	>1000	ISO 178
Charpy notched impact strength at 23 °C at -30 °C	kJ/m ²	>9 >4	ISO 179-1
Vicat softening temperature (10 N)	°C	>123	ISO 306
ESCR F ₅₀ (50 °C; 100%)	h	>10	ASTM D 1693

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