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Characteristics

LITEN BB 85 is a copolymer with broad molecular weight distribution. The grade exhibits good processability and a very good balance among toughness, ESCR and impact strength. Typical application is manufacture of containers up to 120 litres. It can also be used for extrusion of films and sheets, as well as for manufacture of packages for pharmaceutical purposes.

Technical Datasheet

PROPERTY	Unit	TYPICAL VALUE	Test method
MELT FLOW RATE (190/2,16)	g/10 min	0.16	ISO 1133
MELT FLOW RATE (190/21,6)	g/10 min	16	ISO 1133
MELT FLOW RATE (190/5)	g/10 min	0.8	ISO 1133
DENSITY	kg/m ³	952	ISO 1183
YIELD STRESS	MPa	25	ISO 527
TENSILE STRAIN AT YIELD	%	9	ISO 527
CHARPY NOTCHED IMPACT STRENGTH 23°C	kJ/m ²	12	ISO 179
CHARPY NOTCHED IMPACT STRENGTH -30°C	kJ/m ²	5.5	ISO 179
VICAT SOFTENING TEMPERATURE	°C	125	ISO 306
FLEXURAL MODULUS	MPa	1100	ISO 178
ESCR F50; 50 °C; 100% DETERGENT	h	500	ASTM D1693
SHORE HARDNESS D	-	61	ISO 868

ISO designation

LITEN BB 85 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.

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