

Characteristic

LITEN LS 87 is a higher melt flow rate copolymer with narrow molecular weight distribution, containing special stabilization. It is suitable for manufacture of bi-component fiber (PE/PP) for non-woven textiles using spunbond technology.

Typical properties and usage

Property	Unit	Typical value	Testing method
MELT FLOW RATE (190/2,16)	g/10 min	25	ISO 1133
MELT FLOW RATE (190/5)	g/10 min	-	ISO 1133
MELT FLOW RATE (190/21,6)	g/10 min	-	ISO 1133
DENSITY	kg/m ³	955	ISO 1183
YIELD STRESS	MPa	22	ISO 527
TENSILE STRAIN AT YIELD	%	10	ISO 527
FLEXURAL MODULUS	MPa	900	ISO 178
CHARPY NOTCHED IMPACT STRENGTH 23°C	kJ/m ²	3,5	ISO 179
CHARPY NOTCHED IMPACT STRENGTH -30°C	kJ/m ²	-	ISO 179
VICAT SOFTENING TEMPERATURE	°C	122	ISO 306
SHORE HARDNESS D	-	56	ISO 868
ESCR F50; 50 °C; 100% DETERGENT	h	-	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 LS 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.