

Characteristics

LITEN FB 75 is a linear polyethylene of high molecular weight, copolymer, intended for manufacture of tubular films of 0,007 mm thickness. Its well ballanced properties combine good processability with high strength and fineness of the manufactured films. Typical application is manufacture of thin sacks for packing and freezing of foodstuffs, shopping bags, packages for industrial goods, fine films substituting paper, etc.

Typical properties and usage

Property	Unit	Typical value	Test method
MELT FLOW RATE (190/ 2,16)	g/10 min	-	ISO 1133
MELT FLOW RATE (190/ 5)	g/10 min	0,4	ISO 1133
MELT FLOW RATE (190/ 21,6)	g/10 min	11	ISO 1133
DENSITY	kg/m ³	948	ISO 1183
YIELD STRESS	MPa	23	ISO 527
TENSILE STRAIN AT YIELD	%	10	ISO 527
FLEXURAL MODULUS	MPa	950	ISO 178
CHARPY NOTCHED IMPACT STRENGHT 23° C	kJ/m ²	16	ISO 179
CHARPY NOTCHED IMPACT STRENGHT -50° C	kJ/m ²	6,5	ISO 179
VICAT SOFTENING TEMPERATURE	° C	124	ISO 306
SHORE HARDNESS	-	60	ISO 868
ESCR F50; 50 °C; 100% DETERGENT	h	>2000	ASTM D1693
CARBON BLACK CONTENT	%	-	ISO 6469

Note:

Data contained herein represent the typical values of individual properties. They are informative and don't set the specification limits of given grade.

LITEN FB 75 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.