



LOW DENSITY POLYETHYLENE *ROPOTEN*[®]

Specification

№	PROPERTY	Unit	Values by grade				Test method
			FB-7-104 FB-7-104-3*	FV-2-109 FV-2-109-3*	OB-2-102 OB-2-102-3*	OV-03-110	
1.	Melt flow rate at 190°C and loading 2,16 kg	<i>g/10 min</i>	6,20 - 7,80	1,70 - 2,30	1,70 - 2,20	0,20 - 0,40	ASTM D 1238-94
2.	Density at 23°C, not less than	<i>kg/m³</i>	915	918	915	919	ISO-1183-95
3.	Tensile strength not less than	<i>MPa</i>	10,0	12,0	12,0	15,5	ASTM D 638-94
4.	Relative elongation at break not less than	%	550	550	550	600	ASTM D 638-94
5.	Turbidit not more than	%	13,0	11,0	-	-	ASTM D 1003-92
6.	Vicat softening point not less than	°C	80	-	84	90	ASTM D 1525-91

*Slipping agent content – not less than 300 ppm.

Product description

Pellets with length from 2 to 6 mm. The availability of pellets with length up to 9 mm and powderlike particles for not more than 1,7% of production and fibre-like particles up to 0,3 % is not considered to be a deviation from the requirements of sizes determined.

Production method

Polymerization of ethylene in autoclave reactors under high pressure and medium temperature in the presence of initiators – organic peroxides.

Application

FB-7-104 and FB-7-104-3

For production of foils for agriculture, in the construction, machinery, for production of toys, souvenirs, etc.

FB-2-109 and FB-2-109-3

For production of thin film for small packages.

OB-2-102 and OB-2-102-3

For production of details in the machinery and household technique, household articles, toys, souvenirs, etc.

OB-03-110

For cable coating and insulation, for production of bottles, containers, machinery details and household technique, pipes, etc.

Package

Polyethylene bags (milky-white or natural colour), each one with material weight 25kg+/-0,090 kg.

Storage

Covered dry warehouses, protected from direct sunshine.

Transportation

Covered vehicles, protected from moisture, mechanical damages and pollution.