

HIGH PRESSURE POLYETHYLENE
SPECIFICATION
GOST 16337-77

No.	Name of data	Norm			
		Grade	Grade	Grade	Grade
		15803-020	10803-020	16603-011	18003-030
1	Density, g/cm ³	0,919 ±0,002	0,9185 ±0,0015	0,919 ±0,002	0,918 ±0,002
2	Melt Flow Index (MFI), %, g/10 minute	2 ±25	2 ±10	1,1 ±25	3 ±30
3	Spread of MFI in a party, %, no more than	±6	±5	±6	±8
4	Quantity of inclusions, thing, no more than	2	2	2	5
5	Technological test on appearance of a film	A or B	B	-	-
6	Resistance to the cracking at breaking, hour, no more than	-	2	2,2	1,5
7	Tensile yield point, Pa (kg/cm ²), not less than	93x10 ⁵ (-95)	93x10 ⁵ (-95)	93x10 ⁵ (-95)	93x10 ⁵ (-95)
8	Breaking strength, Pa (kg/cm ²), not less than	113x10 ⁵ -115	122x10 ⁵ -125	122x10 ⁵ -125	108x10 ⁵ -110
9	Elongation per unit length at breaking, %, not less than	600	550	600	600
10	Mass fraction extractable substances, %, no more than	0,4	0,9	0,4	0,5
11	Smell after taste of water extract, number, no more than	1	1	-	-

COMMON USES

Injection moulding (bottle and jar caps, small pieces, toys). Blow moulding (various bottles and cups, toys). Film extrusion (heavy duty bags, film for construction, industrial and agricultural uses) pipe extrusion (various pipes). Wire and cable coating (telephone, power, high frequency and signal cables). Blow moulding (detergent bottles, big volume containers, containers for transportation of corrosive chemicals). Detergent bottles, squeeze tubes, containers for aggressive cosmetic preparations and general chemicals, intermediate size mouldings.

PACKING AND TRANSPORTATION

Polyethylene granules are packed in 25-kg polyethylene bags and transported in covered vehicles.