



VICTORIA
CHEMICALS Sp. z o.o.



KAZANORGSINTEZ Factory product range related to output and processing of LD polyethylene

▪ **High Pressure Polyethylene**
16337-77

GOST

Production method: low density polyethylene is produced by high pressure ethylene polymerization in tubular reactors and reactors with agitator using of radical initiators.

Application: for production of bags, pipes, fittings, articles designed for food contact, toys, films and film articles, shaped-moulded parts etc.

No	Parameter	Standard for the grade											
		10803-020			11503-070			15313-003			15813-020		
		S/q	p/q	2/q	S/q	p/q	2/q	S/q	p/q	2/q	S/q	p/q	2/q
1	Density, g/cm ³	0.9185±0.0015			0.9180±0.001			0.9205±0.0015			0.9190±0.002		
2	Melt Flow Index (rating value with tolerance)	2.0±10	2.0±15		7.0±15			0.3±30			2.0±25		
3	Spread of melt flow index in one batch, %, not more than	±5	±8	±12	±5	±10	±12	±6	±12	±15	±6	±12	±15
4	Amount of impurities, pcs, not more	2	5	15	2	5	10	2	8	30	2	8	30
5	Tensile yield point, Pa (kgf/cm ²), not less than	93x10 ⁵ (95)			93x10 ⁵ (95)			98x10 ⁵ (95)			93x10 ⁵ (95)		
6	Tear strength, Pa (kgf/cm ²), not less than	122x10 ⁵ (125)			98x10 ⁵ (100)			137x10 ⁵ (140)			113x10 ⁵ (115)		
7	Specific tensile elongation, %, not less than	550			450			600			600		
8	Cracking resistance, h, not less than	2			-			500			-		
9	Mass fraction of extractable substances, %, not more												
	Extra class	0.9			1.2			0.4			0.4		
	1 st and 2 nd class	1.1			1.2			0.6			0.6		
10	Film appearance testing:												
	Superior quality	B			B			A or B			A or B		
	Premium quality	B			B			B			B		
	2 nd quality	C			C			C			C		
11	Odor and taste of aqueous extracts, number, not more	1			1			1			1		

Safety requirements, acceptance procedure, testing methods, package, marking, transportation, and storage are in accordance with GOST 16338-85. The production is packed in polyethylene bags, special soft containers etc. Carriage: by all kinds of transportation in accordance with shipping rules.