

## ● LDPE FILM EXTRUSION

**10803-020**

GOST 16337-77, rev. 1-3

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

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

No.	Parameter	Standard
1	Density, g/cm <sup>3</sup>	0.9185±0.0015
2	Melt Flow Index (rating value with tolerance), %, g/min	2.0±10
3	Spread of melt flow index in one batch, %, max.	±5
4	Number of impurities, pcs, max.	2
5	Tensile yield point, Pa (kgf/cm <sup>2</sup> ), min.	93x10 <sup>5</sup> (95)
6	Tear strength, Pa (kgf/cm <sup>2</sup> ), min.	122x10 <sup>5</sup> (125)
7	Elongation at break, %, min.	550
8	Cracking resistance, hr, min.	2
9	Mass fraction of extractable substances, %, max Superior quality 1st and 2nd qualities	0.9 1.1
10	Film appearance testing: Superior quality: 1st quality: 2nd quality:	B B C
11	Odor and taste of aqueous extracts, in points, max.	1

Safety requirements, acceptance procedure, testing methods, packing, labeling, transportation and storage are in accordance with GOST 16337-77. Packing: polyethylene bags, special soft containers, etc. Carriage: by all modes of transport in accordance with the transportation rules.



LDPE of 10803-020 Grade is the diploma winner of "100 Goods of Russia 2011" and the winner of the Republic's Competition under the Program of "100 Best Goods of Russia 2011" Contest.