

HIGH-DENSITY POLYETHYLENE GRADE PE4FE-69

TU 6-11-00206368-25-93 with amendments 1–9

Production method: gas phase polymerization accordingly to Unipol technology.

Application: production of tubular film. The grade is stabilized at granulation by high performance antioxidants and with addition improving processing. It used for production of articles which are used for food contact at temperatures up to 80 °C.

Method of processing: extrusion.

Technical description

№	Description of properties	Standard	Test method	
			STATE STANDARD	ASTM D
1	Density at 23°C, g/cm ³	0.946-0.950	GOST 15139	ASTM D 1505
2	Melt flow Index, 190°C/5.0 kg at 190°C/21.6 kgs	7-11	GOST 11645	ASTM D 1238
3	Ratio MFR _{21,6} /MFR ₅	20-30	§ 4.9 TU 6-11-00206368-25-93 with amendments 1–9	ASTM D 1238
4	Melt Flow Index Spread within a Lot, max, %	-	§4.10 TU 6-11-00206368-25-93 with amendments 1–9	-
5	Degree of purity, minimum	90	§ 4.11 TU 6-11-00206368-25-93 with amendments 1–9	-
6	Limit of flow index at elongation, MPa (kg/cm ²), minimum	-	§ 4.12 TU 6-11-00206368-25-93 with amendments 1–9	-
7	Tensile Strength, MPa (kg/cm ²), minimum	-	§ 4.12 TU 6-11-00206368-25-93 with amendments 1–9	-
8	Ultimate Elongation, %	-	§ 4.12 TU 6-11-00206368-25-93 with amendments 1–9	-
9	Technological test for appearance of film, score, not worse than	+30	§ 4.13 TU 6-11-00206368-25-93 with amendments 1–9	-

Packing and transport. Packed in 25 kg polyethylene or polypropylene bags, transported by railway or motor transport.

Guarantees of the producer:

- correspondence of production to requirements of TU 6-11-00206368-25-93 with amendments 1–9;
- guaranteed period of storage – 6 years from the date of production.

Sanitary-epidemiological certificate No. 26.01.221.P.000230.05.from 19052006