

● Bimodal HDPE Compositions

PE2NT11-285, PE2 NT11-285D

TU 2243-175-00203335-2007

Production method: gas-phase method of ethylene copolymerization at low pressure using the complex catalysts.

Application: PE compositions are intended for production of pipes and fittings, particularly for utility and drinking water supply, for compositions with marked stripes, and items that are produced by blow molding method as well as making high-strength thick films with thickness of 20 μm and greater.

No.	Parameter	Standard
		PE2NT11-285, PE2NT11-285D
1	Density, kg/m ³ at 23 °C at 20 °C	947-950 949-952
2	Melt Flow Index at 190 °C and 21.6 kgf, g/10 min.	5-9
3	Melt Flow Index (MFI21.6) spread within one batch, %, maximum	±10
4	Tensile yield strength, MPa, minimum	20
5	Elongation at break, %, minimum	600
6	Volatile weight content, mg/kg, maximum	350
7	Thermal stability at 200 °C, minimum	20
8	Stability at constant internal pressure at 80 °C, with initial wall stress 4.0 MPa, (on pipe samples d110 SDR 11) hr, minimum	165
9	Stability at constant internal pressure at 80 °C, with initial wall stress 2.8 MPa, (on pipe samples d110 SDR 11) hr, minimum	1000
10	Stability at constant internal pressure at 20 °C on pipe samples d32 SDR 11, hr, minimum with initial wall stress 12.4 MPa with initial wall stress 11.6 MPa	100 2500

Packaging, handling and storage: in PE and PP bags that provide products preservation and maintain its quality as per documents approved under the appropriate procedure. Transportation by combined roofed transport in accordance with rules of carriage related to this mode of transport.



Bimodal HDPE Composition of PE2NT11-285D grade is a prize-winner of "The 100 Best Russian Products of 2009" and "The Best Products of the Republic of Tatarstan of 2009" Contests