

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

Application: polyethylene of PE2NT21-13 and PE2NT22-12 grades are intended for processing by injection molding method into products for household and domestic use. Polyethylene of PE2NT26-16 grade is intended for processing by blow molding method into products for household and domestic use and for tape yarns production.

No.	Parameter	Standard		
		PE2NT22-13	PE2NT22-12	PE2nT26-16
1	Density, g/cm ³ at 23 °C at 20 °C	948-955 950-957	958-965 960-966	948-955 950-957
2	Melt Flow Index at 190 °C and at 2.16 kg, g/10 min.	4-7	6-9	0,8-1,6
3	MFI spread within one batch, %, maximum	±15	±15	±15
4	Number of impurities, pcs, maximum	10	10	10
5	MFI _{21,6} /MFI _{2,16} ratio	20-35	20-35	20-35
6	Tensile yield strength, MPa, minimum	25	28	—
7	Tear strength, MPa, minimum	17	17	30
8	Elongation at break, %, minimum	—	—	750
9	Stress cracking resistance, hrs, minimum	30	—	50

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



HDPE of PE2NT 22-12 grade is a prize-winner of "The Best Products of the Republic of Tatarstan of 2010" Contest