

## POLYCARBONATES

TU 2226-173-00203335-2007

Properties	Grade PC-007	Grade PC-010
Melt flow index, g/10 min, at temperature 300 C <sup>0</sup>	6,5+/-1,5	6,5 +/- 1,5
Spread of melt flow index within one batch, %, not more	All points samples have to correspond with index 1	All points samples have to correspond with index 1
Number of visible impurities pcs./100 g, not more	5	5
Turbidity, %, not more	0,8	0,8
Transmission factor, %, not less	89	89
Tensile yield point, MPa, not less	60	60
Elongation at rupture, %, not less	120	120
Cross-bending stress at max. sample load, MPa, not less	90	90
Bending elasticity model, MPa, not less	2250	2250
Izod impact strength, kJ/m <sup>2</sup> , not less	75	75
Compressive stress at yield point, MPa, not less	76	76
Vicat softening temperature, C <sup>0</sup> , not less	150	150
Yellowness and blue index for PC-L	1,6-2,2 1,35-1,65	1,6-2,2 1,35-1,65
Transparency and brightness index	90	90
Pellets with deviations from sizes specified, % by mass:		
-smaller than 2 mm	0,5	0,5
-3.5 to 6 mm	2	2
-bigger than 6 mm	0,2	0,2
Dielectric capacitivy at frequency of 10 <sup>6</sup> Hz, not more	3,1	3,1
Loss tangent, 10 <sup>6</sup> Hz, not more	0,009	0,009
Electric strength kV/mm, not less	20	20

#### HAZARD IDENTIFICATION AND SAFETY REQUIREMENTS

Non-hazardous substance. Complete safety requirements are written in the safety data sheet.

#### TRANSPORTATION

In sacks, big-bags

#### APPLICATION

Polycarbonate, including its mixtures with other polymers, is designated for injection molding and extrusion of different structural and electric insulation goods, used in machine building, radio-, lighting-, electrical engineering, electronics, construction, optical goods production including optical discs (CD, DVD) as well as in other industries, including production of the goods contacting with food and potable water.