POLYCARBONATE

PC-008

Product description

Production Method	Melt polycondensation of diphenylcarbonate and Bisphenol A.
Applications	Production of goods through extrusion and injection molding.

Physico-chemical properties

Melt flow index (MFI), g/10 min at load of 1.2 kgf, 300° C	8.0 ± 1.0
Melt flow index spread within one batch, %	max .all spot samples should correspond to pos. 1
Number of visible impurities (inclusions), balls/100g	max. 5
Haze, %	max. 0.8
Transmission factor, %	min. 89
Tensile yield strength, MPa	min. 60
Elongation at break, %	min. 120
Cross-bending stress at maximum sample load, MPa	min. 90
Flexural modulus, MPa	min. 2250
Izode impact strength, kJ/m^2	min. 75
Compression stress at yield, MPa	min. 76
Vicat softening temperature, ° C	min. 150
Yellowness and blueness index **For PC-L** **For PC-L1**	1.6 - 2.2 1.3 - 1.6 0.8 - 1.3
Transparency and brightness index	min. 90

Packing, Handling and Storage

Packing in bags as per GOST 17811 or similar polymer bags as per technical documentation approved under appropriate procedure and related to import as well. Bag neck should be sealed. Polycarbonates are also packaged into sealed soft special purpose big-bags for bulk products as per technical documentation approved under the appropriate procedure and related to import as well. Packages should be tightly sewed. Polycarbonate weight for bags should be 25 (±0.25) kg, for big-bags – 750 (±3, 75) kg, 1000 (±5.0) kg. Transportation by all means of roofed transport in accordance with rules of carriage related to this mode of transport. Storage indoors preventing exposure to direct sunlight at the distance of 1 m minimum from heating appliances and at temperature exceeding 35°C.