

# POLYCARBONATE | PC-010

## MANUFACTURER

PJSC "Kazanorgsintez"

## PRODUCTION METHOD

Melt polycondensation of diphenylcarbonate and Bisphenol A.

## APPLICATION

Production of goods through injection molding.

## SPECIFICATIONS

### PARAMETER

Melt flow index (MFI), g/10 min at load of 1.2 kgf and 300 °C

10.0±1.5

All spot samples should correspond to pos. 1

Melt flow index spread within one batch, %, maximum

5

Visible contaminations (impurities), pcs/100 g, maximum

0.8

Haze, %, maximum

89

Transmittance ratio, %, minimum

60

Tensile yield strength, MPa, minimum

120

Elongation at break, %, minimum

90

Bending stress at maximum sample load, MPa, minimum

2250

Flexural modulus, MPa, minimum

75

Isoode impact strength, kJ/m<sup>2</sup>, minimum

76

Compression stress at yield, MPa, minimum

150

Vicat softening temperature, °C, minimum

1.6-2.2

Blue and yellowness index

1.3-1.6

For PC-L

0.8-1.3

For PC-L1

Transparency and brightness index, minimum

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.