

# POLYCARBONATE | PC-022

## MANUFACTURER

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## 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  
Melt flow index spread within one batch, %, maximum  
Visible contaminations (impurities), pcs/100 g, maximum  
Haze, %, maximum  
Transmittance ratio, %, minimum  
Tensile yield strength, MPa, minimum  
Elongation at break, %, minimum  
Bending stress at maximum sample load, MPa, minimum  
Flexural modulus, MPa, minimum  
Isode impact strength, kJ/m<sup>2</sup>, minimum  
Compression stress at yield, MPa, minimum  
Vicat softening temperature, °C, minimum  
Blue and yellowness index  
For PC-L  
For PC-L  
Transparency and brightness index, minimum

### EXTRA GRADE

22.0±2  
All spot samples should correspond to pos. 1  
5  
0.8  
89  
60  
100  
—  
—  
65  
—  
147  
1.6-2.2  
1.3-1.6  
—  
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 ( $\pm 0.25$ ) kg, for big-bags – 750 ( $\pm 3.75$ ) kg, 1000 ( $\pm 5.0$ ) 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.