

POLYCARBONATE GRADE PC-008

Extrusion and injection molding
High viscosity

APPLICATION

Grade PC-008 is intended for the manufacture of products for technical and construction purposes, including cellular polycarbonate sheets for greenhouses, monolithic polycarbonate sheets for roofs, facades, noise screens, safety glazing and fencing, and products in contact with food and drinking water.

TECHNICAL CHARACTERISTICS

	Parameter	Standard
1.	Melt flow index, g/10 min, at 1.2 kgf load, 300 °C	8.0±1.0
2.	Melt flow index spread within a batch, %, maximum	All spot samples shall comply with value 1
3.	Number of visible impurities (inclusions), balls/100g, maximum	5
4.	Haze, %, maximum	0.8
5.	Transmission factor, %, minimum	89
6.	Tensile yield strength, MPa, minimum	60
7.	Elongation at break, %, minimum	120
8.	Cross-bending stress at max. sample load, MPa, minimum	90
9.	Flexural modulus, MPa, minimum	2250
10.	Izod impact strength, kJ/m ² , minimum	75
11.	Compression stress at yield, MPa, minimum	76
12.	Vicat softening temperature, °C, minimum	150
13.	Yellowness and blueness index	1.6-2.2
	for PC - L	1.3-1.6
	for PC - L1	0.8-1.3
14.	Transparency and brightness index, minimum	90

Note: Description of additional indices to base grades as follows: U – ultraviolet stabilized grades; R- improved antistick properties; L, L1 – low b* (yellowness and blue) index value: 1.3 – 1.6; 0.8-1.3

Norms and requirements for PC quality parameters with additional are the same as for PC grades without additional indices.

Supply form: Pellets

Packing: Product is packed in polymer bags. The bags neck should be sealed on. Polycarbonates are also packaged in sealed soft containers for bulk solids. Packages should be tightly sewed. Polycarbonate weight in bag should be 25.00±0.25 kg. In big-bag 750±3.75 kg, 850±4.25 kg, 1000±5.0 kg.

Transportation: by all modes of transport.

Storage: Polycarbonates shall be stored in enclosed dry space preventing from direct sunlight on shelves or pallets at least 5 cm from the floor and at least 1 m from heaters, at temperature max 35°C.

Information contained herein is provided to the best of our knowledge and is considered true on the revision date. This specification does not release a customer from obligation to check the product as to suitability thereof for the intended application. A producer shall not be liable for any loss and damage that might occur due to use of this information.