

POLYCARBONATE | PC-007

MANUFACTURER	PJSC "Kazanorgsintez"	
PRODUCTION METHOD	Melt polycondensation of diphenylcarbonate and Bisphenol A.	
APPLICATION	Production of goods through extrusion and injection molding.	
SPECIFICATIONS	PARAMETER	EXTRA GRADE
	Melt flow index (MFI), g/10 min at load of 1.2 kgf and 300 °C	6.5±1.0
	Melt flow index spread within one batch, %, maximum	All spot samples should correspond to pos. 1
	Visible contaminations (impurities), pcs/100 g, maximum	5
	Haze, %, maximum	0.8
	Transmittance ratio, %, minimum	89
	Tensile yield strength, MPa, minimum	60
	Elongation at break, %, minimum	120
	Bending stress at maximum sample load, MPa, minimum	90
	Flexural modulus, MPa, minimum	2250
	Isode impact strength, kJ/m ² , minimum	75
	Compression stress at yield, MPa, minimum	76
	Vicat softening temperature, °C, minimum	150
	Blue and yellowness index	1.6-2.2
	For PC-L	1.3-1.6
	For PC-L1	0.8-1.3
PACKING, HANDLING AND STORAGE	Transparency and brightness index, minimum	90
	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.	

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