

Kazanorgsintez PC-022 Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Production Method: Obtained by means of polycondensation method. Application: Intended for product manufacture by method of die-casting. Information Provided by Kazanorgsintez

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kazanorgsintez-PC-022-Polycarbonate.php

Physical Properties	Metric	English	Comments
Melt Flow	20 - 24 g/10 min	20 - 24 g/10 min	
	@Load 1.20 kg, Temperature 300 Â°C	@Load 2.65 lb, Temperature 572 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 55.0 MPa	>= 7980 psi	2nd Grade
	>= 58.0 MPa	>= 8410 psi	1st Grade
	>= 60.0 MPa	>= 8700 psi	Superior Quality
Elongation at Break	>= 50 %	>= 50 %	2nd Grade
	>= 60 %	>= 60 %	Superior Quality, 1st Grade
Izod Impact, Unnotched (ISO)	57.0 kJ/mÂ²	27.1 ft-lb/inÂ²	1st and 2nd Grade
	63.0 kJ/mÂ²	30.0 ft-lb/inÂ²	Superior Grade

Thermal Properties	Metric	English	Comments
Vicat Softening Point	>= 147 Â°C	>= 297 Â°F	

Optical Properties	Metric	English	Comments
Yellow Index	1.6 - 2.2 %	1.6 - 2.2 %	Superior Grade
	1.0 - 3.5 %	1.0 - 3.5 %	1st Grade
	85 %	85 %	2nd Grade
Transmission, Visible	89 %	89 %	Superior Quality, 1st Grade
	>= 90 %	>= 90 %	Superior Grade, 1st Grade

Electrical Properties	Metric	English	Comments
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Electrical Properties	≤ 3.1 Metric	≤ 3.1 English	Comments
	@Frequency 1000 Hz	@Frequency 1000 Hz	Superior Quality
Dielectric Strength	≥ 20.0 kV/mm	≥ 508 kV/in	Superior Quality
Dissipation Factor	≤ 0.0090 @Frequency 1000 Hz	≤ 0.0090 @Frequency 1000 Hz	Superior Quality

Descriptive Properties	Value	Comments
Amount of impurities [pcs]	10	1st Grade
	5	Superior Quality
Turbidity	0.8	Superior Grade, 1st Grade
	1	2nd Grade

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