

Product Texts

Crastin® FGS621F50 NC010 is an unreinforced, nucleated, low viscosity polybutylene terephthalate resin for injection molding. It has been developed for fast cycles and high productivity into applications such as parts for the food industry.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.8	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.8	%	ISO 294-4, 2577
^[C] Spec. heat capacity of melt	2290	J/(kg K)	-
^[C] Ejection temperature	170	°C	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2700	MPa	ISO 527
^[C] Yield stress	60	MPa	ISO 527
^[C] Yield strain	13	%	ISO 527
^[C] Charpy impact strength, +23°C	150	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	55	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	160	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, normal	110	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1320	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Features

Nucleated

Certifications

Food contact

Regional Availability

North America, Europe, Asia Pacific, South and Central America