

Product Texts

Crastin® FG6134 NC010 is an unreinforced, medium viscosity polybutylene terephthalate resin for injection molding. It has been developed for consideration into applications such as parts for the food industry.

FOOD CONTACT

This product is manufactured according to Good Manufacturing Practice (GMP) principles and generally accepted in food contact applications in Europe and the USA when meeting applicable use conditions. For details, individual compliance statements are available from our representative.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.6	%	ISO 294-4, 2577
^[C] Ejection temperature	170	°C	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2600	MPa	ISO 527
^[C] Yield stress	59	MPa	ISO 527
^[C] Yield strain	4	%	ISO 527
^[C] Nominal strain at break	45	%	ISO 527
^[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	50	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	115	°C	ISO 75-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
^[C] Oxygen index	22	%	ISO 4589-1/-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1300	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding, Film Extrusion, Profile Extrusion, Sheet Extrusion, Other Extrusion, Coating, Casting

Delivery form

Pellets, Natural Color

Certifications

Food contact

Regional Availability

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