Ixef® GS-5022 GY01

PARA-GF50 Syensqo

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	22000	MPa	ISO 527
Stress at Break	230	MPa	ISO 527
Strain at Break	1.5	%	ISO 527
Flexural Modulus (23°C)	20000	MPa	ISO 178
Flexural strength	330	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	45	kJ/m²	ISO 180/1A

Other Properties	Value	Unit	Test Standard
ISO Data			
Humidity absorption	0.88	%	Sim. to ISO 62
Density	1900	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	0.5 - 1.5	h	-
Processing humidity	≤0.1	%	-
Melt temperature	270	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 280	°C	-

Characteristics

Processing
Injection Molding

Features
Creep Resistance, High Gloss, Tribologic Grade

Delivery form
Pellets

Chemical Resistance
General Chemical Resistance, Radiation Resistance

Special Characteristics
Sterilizable, Ethylene Oxide (EtO) Sterilization, Gamma irradiation sterilization, Electron beam (e-beam) sterilization

Applications
Medical

Disclaimer