

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/m ²	ISO 180/1A

Other Properties	Value	Unit	Test Standard
ISO Data			
Humidity absorption	0.88	%	Sim. to ISO 62
Density	1900	kg/m ³	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

Delivery form

Pellets

Special Characteristics

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

Features

Creep Resistance, High Gloss, Tribologic Grade

Chemical Resistance

General Chemical Resistance, Radiation Resistance

Applications

Medical