

Ixef® HC-1022 PARA-GF50

Syensqo

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	19500 / 19500	MPa	ISO 527
Stress at Break	280 / 260	MPa	ISO 527
Strain at Break	1.9 / 2.2	%	ISO 527
Flexural Modulus (23°C)	18500 / -	MPa	ISO 178
ASTM Data			
Notched Impact Strength (Izod), 1/8 in	110 / -	J/m	ASTM D 256
Impact Strength (Izod), 1/8 in	850 / -	J/m	ASTM D 256

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	230 / *	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	15 / *	E-6/K	ISO 11359-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1640 / -	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	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-
Nozzle temperature	260 - 290	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black, Natural Color

Special Characteristics

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

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance, Oxidation Resistance, Radiation Resistance

Certifications

Medical, Biocompatibility ISO 10993, Device Master File

Applications

General Purpose, Medical

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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