

Ixef® 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	20000 / 20000	MPa	ISO 527
Stress at Break	280 / 260	MPa	ISO 527
Strain at Break	1.9 / 2.2	%	ISO 527
Flexural Modulus (23°C)	19000 / -	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
Burning Behav. at thickness h	HB / *	class	UL 94
Oxygen index	25 / *	%	ISO 4589-1/-2

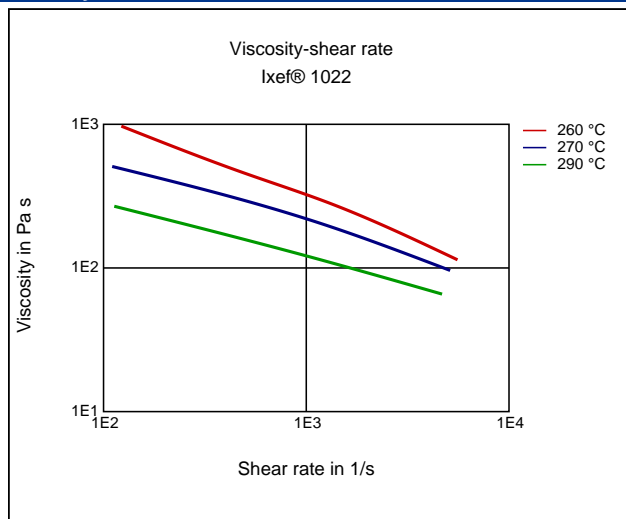
Electrical Properties	dry / cond	Unit	Test Standard
ISO Data			
Volume Resistivity	1E11 / -	Ohm*m	IEC 62631-3-1
Electric Strength	31 / -	kV/mm	IEC 60243-1
Comparative tracking index	570 / -	-	IEC 60112

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1640 / -	kg/m³	ISO 1183

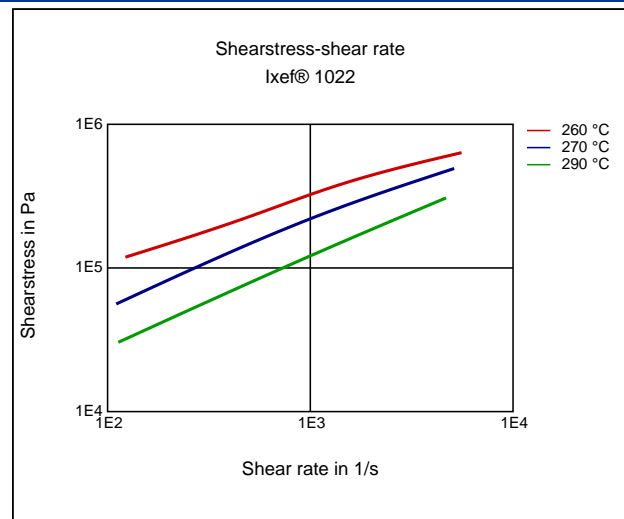
Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	0.5 - 1.5	h	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-
Nozzle temperature	260 - 290	°C	-

Diagrams

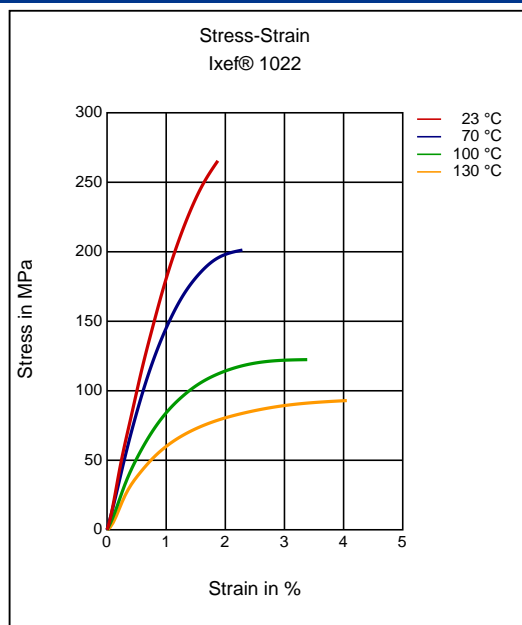
Viscosity-shear rate



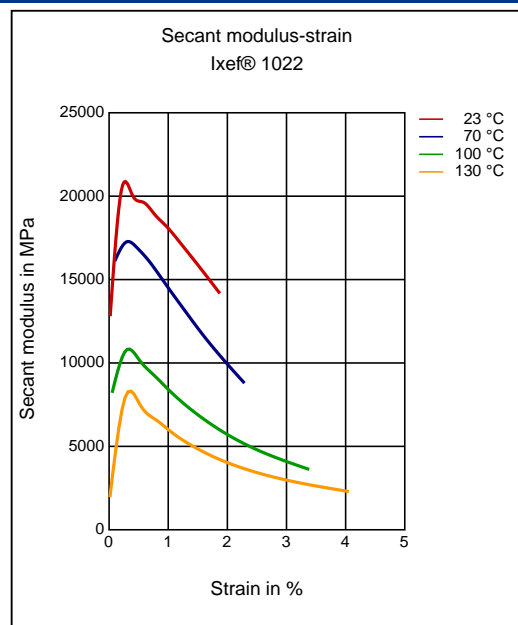
Shearstress-shear rate



Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black, Natural Color

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance, Radiation Resistance

Applications

Automotive, General Purpose, Medical, Sports Equipment

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.**

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not exempt the buyer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended.

The buyer is solely responsible for confirming the suitability of the product for a particular application, its utilization and processing and must observe any applicable laws and government regulations. **NO EXPRESS OR IMPLIED RECOMMENDATION OR WARRANTY IS GIVEN WITH REGARD TO THE SUITABILITY OF THE PRODUCT FOR A PARTICULAR APPLICATION, SUCH AS, BUT NOT LIMITED TO, SAFETY-CRITICAL COMPONENTS OR SYSTEMS.**

Healthcare uses: the supply of any product by ALBIS for any medical, pharmaceutical or diagnostic application is conditional to an assessment by ALBIS in terms of compliance with ALBIS' internal risk management policy – even for products which are in general designated for use in Healthcare applications.

Important: irrespective of product type or designation, ALBIS does not recommend or support the use of any products it supplies which fall into the following medical, pharmaceutical or diagnostic application categories:

- risk class III applications according to EU directive 93/42/EEC
- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

At all times, our standard terms and conditions of sale apply.