SYENSQO

ALBIS

Ixef® 1032

PARA-GF60 Syensqo

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	24000 / 23000	MPa	ISO 527
Stress at Break	280 / 250	MPa	ISO 527
Strain at Break	1.8 / 2	%	ISO 527
Flexural Modulus (23°C)	23500 / -	MPa	ISO 178
ASTM Data			
Notched Impact Strength (Izod), 1/8 in	120 / -	J/m	ASTM D 256
Impact Strength (Izod), 1/8 in	900 / -	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	14 / *	E-6/K	ISO 11359-1/-2
Burning Behav. at thickness h	HB / *	class	UL 94
Oxygen index	25 / *	%	ISO 4589-1/-2

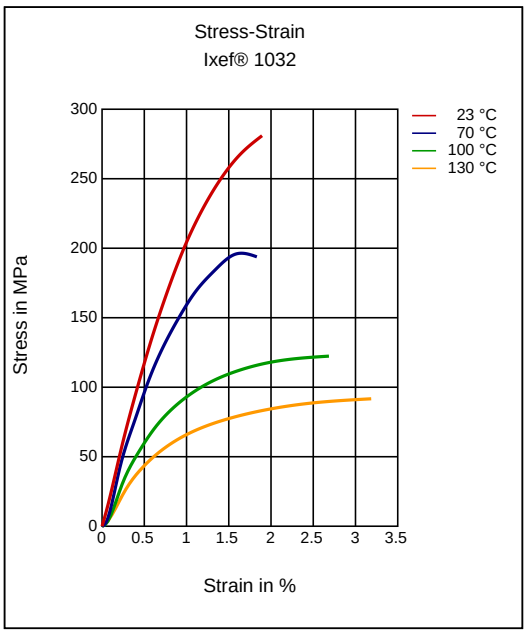
Electrical Properties	dry / cond	Unit	Test Standard
ISO Data			
Volume Resistivity	1E11 / -	Ohm*m	IEC 62631-3-1
Electric Strength	24 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1770 / -	kg/m³	ISO 1183

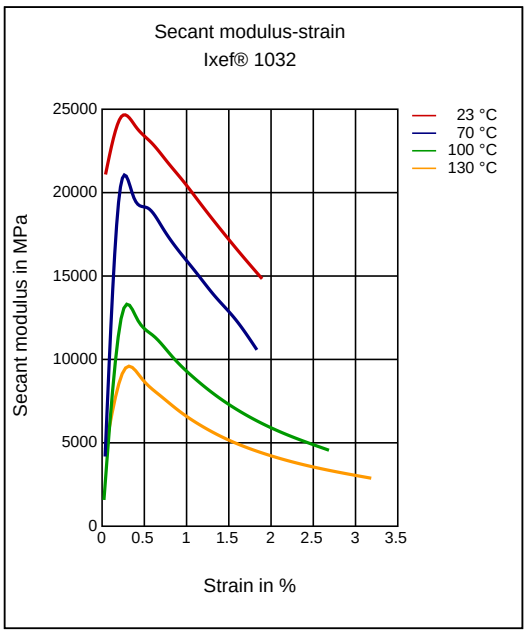
Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	12	h	-
Processing humidity	≤0.3	%	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 270	°C	-
Zone 3	270 - 280	°C	-
Nozzle temperature	260 - 290	°C	-
Injection pressure	50 - 150	MPa	-
Back pressure	1	MPa	-
Holding pressure	75	MPa	-

Diagrams

Stress-strain



Secant modulus-strain



Characteristics

Processing
Injection Molding

Chemical Resistance
General Chemical Resistance

Delivery form
Pellets, Black, Natural Color

Applications
General Purpose

Features
Creep Resistance

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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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.

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