

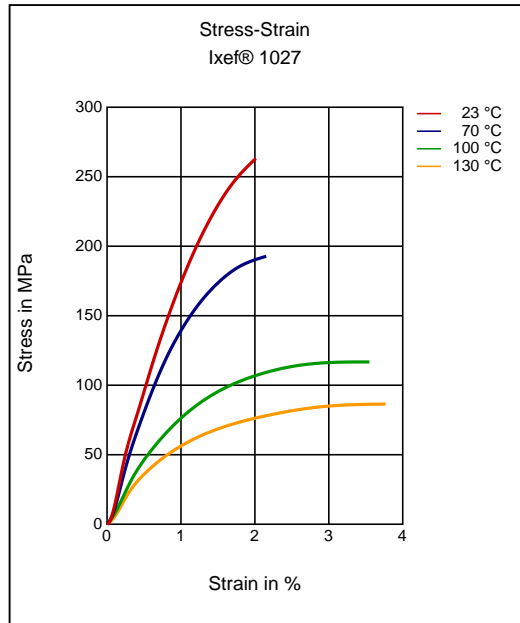
Ixef® 1027
PARA-GF50

Syensqo

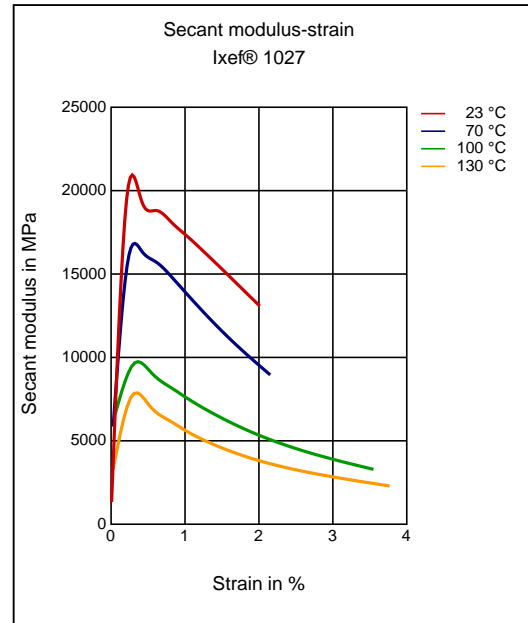
Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	20000	MPa	ISO 527
Stress at Break	235	MPa	ISO 527
Strain at Break	1.8	%	ISO 527
Flexural Modulus (23°C)	18500	MPa	ISO 178
ASTM Data			
Notched Impact Strength (Izod), 1/8 in	90	J/m	ASTM D 256
Impact Strength (Izod), 1/8 in	720	J/m	ASTM D 256
Thermal Properties			
ISO Data			
Temp. of deflection under load (1.80 MPa)	220	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	17	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			
ISO Data			
Volume Resistivity	1E11	Ohm*m	IEC 62631-3-1
Electric Strength	28	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112
Other Properties			
ISO Data			
Density	1640	kg/m³	ISO 1183
Processing Recommendation Injection Molding			
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	-

Diagrams

Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Heat aging stabilized

Features

Creep Resistance

Chemical Resistance

General Chemical 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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