

Ixef® 1027
PARA-GF50

Syensqo

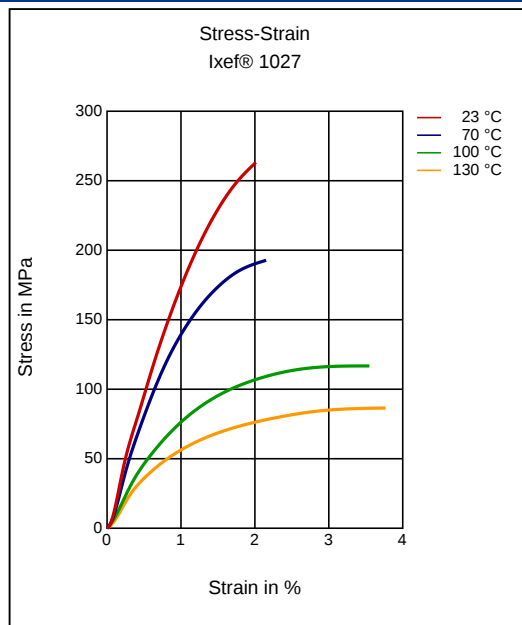
Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	20000	MPa	ISO 527
Stress at Break	235	MPa	ISO 527
Strain at Break	1.8	%	ISO 527
Flexural Modulus (23°C)	18500	MPa	ISO 178
ASTM Data			
Notched Impact Strength (Izod), 1/8 in	90	J/m	ASTM D 256
Impact Strength (Izod), 1/8 in	720	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	-

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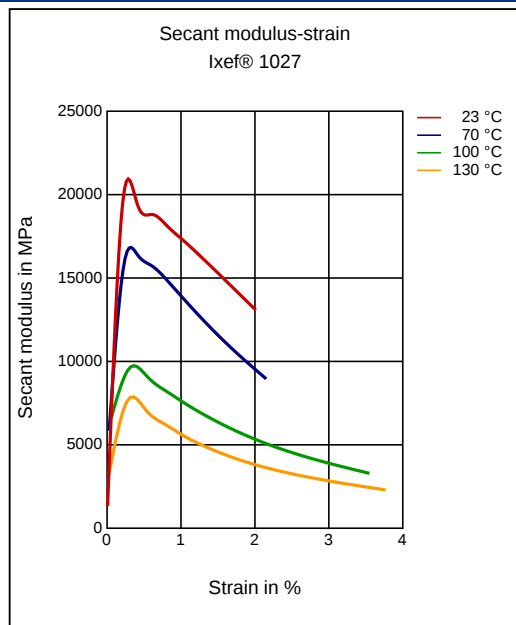
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Diagrams

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