

Ixef® 1521
PARA-GF50

Syensqo

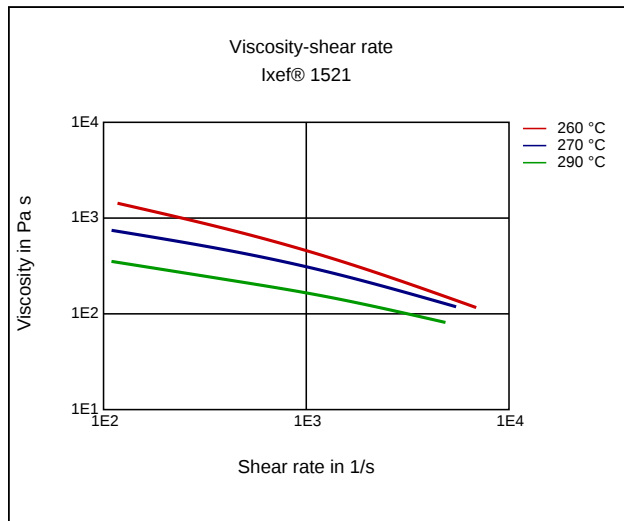
Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	20000	MPa	ISO 527
Stress at Break	230	MPa	ISO 527
Strain at Break	1.9	%	ISO 527
Flexural Modulus (23°C)	20000	MPa	ISO 178
ASTM Data			
Notched Impact Strength (Izod), 1/8 in	95	J/m	ASTM D 256
Impact Strength (Izod), 1/8 in	700	J/m	ASTM D 256
Thermal Properties	Value	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	17	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm Nom. Thickn.	V-0	class	UL 94
Thickness tested	1.5	mm	-
Burning Behav. at thickness h	V-0	class	UL 94
Thickness tested	0.8	mm	-
Burning Behav. 5V at Thickness h	5VA	class	IEC 60695-11-20
Thickness tested	1.5	mm	-
Oxygen index	32	%	ISO 4589-1/-2
Electrical Properties	Value	Unit	Test Standard
ISO Data			
Volume Resistivity	1E11	Ohm*m	IEC 62631-3-1
Electric Strength	29	kV/mm	IEC 60243-1
Comparative tracking index	400	-	IEC 60112
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1750	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	270	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-

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Diagrams

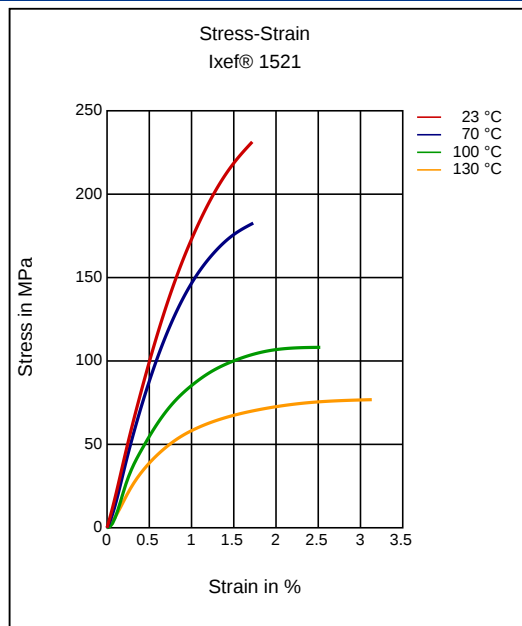
Viscosity-shear rate



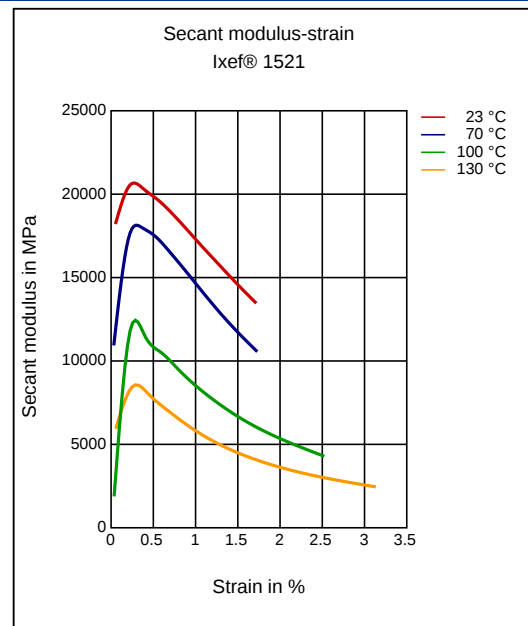
Shearstress-shear rate



Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black, Natural Color

Special Characteristics

Flame retardant

Disclaimer

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical