

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

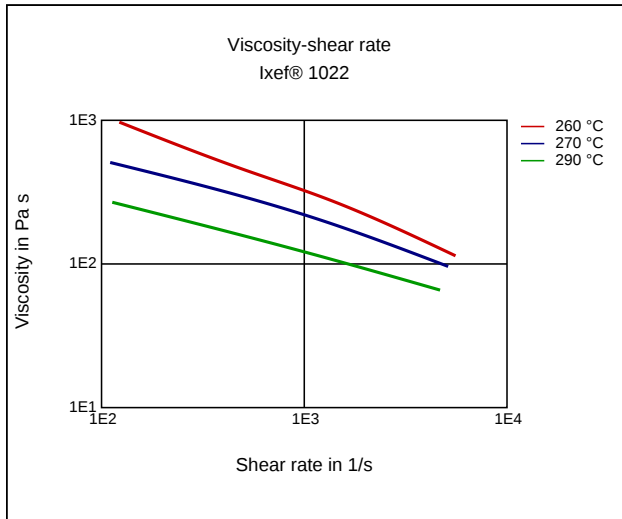
Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	0.5 - 1.5	h	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-
Nozzle temperature	260 - 290	°C	-

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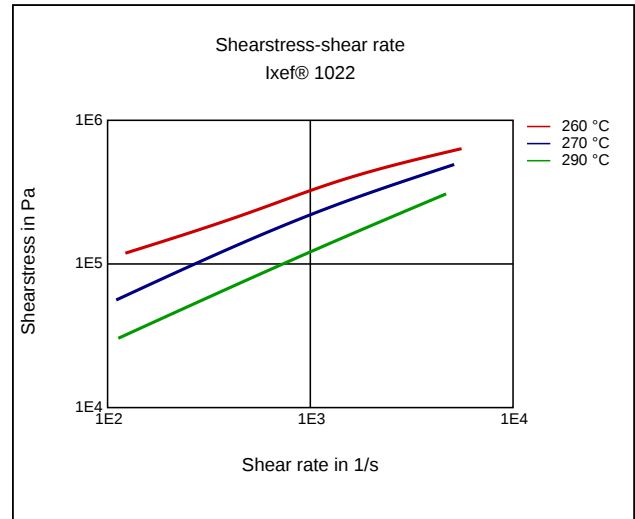
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Diagrams

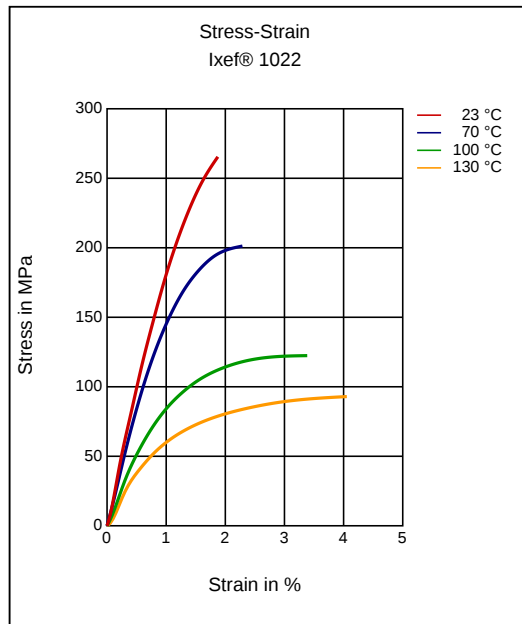
Viscosity-shear rate



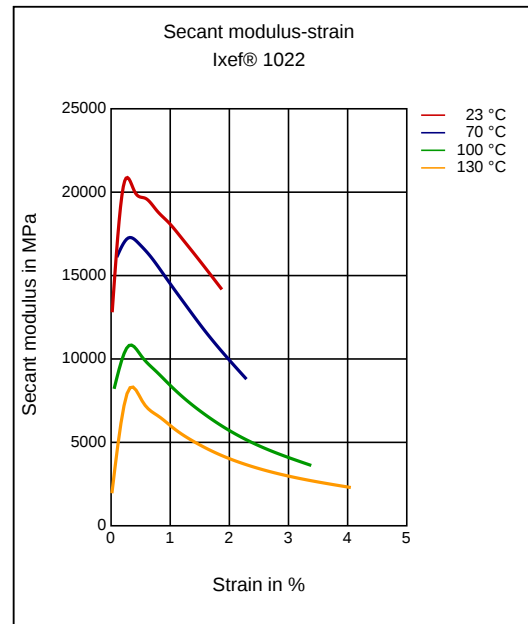
Shearstress-shear rate



Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black, Natural Color

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance, Radiation Resistance

Applications

Automotive, General Purpose, Medical, Sports Equipment

Disclaimer