

**Ixef® 1023**

PARA-GF50

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	20000	MPa	ISO 527
Stress at break	250	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Flexural modulus, 23°C	18500	MPa	ISO 178
Flexural strength	385	MPa	ISO 178
<b>ASTM Data</b>			
Izod Impact notched, 1/8 in	110	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	850	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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	IEC 60695-11-10
Oxygen index	25	%	ISO 4589-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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	Value	Unit	Test Standard
Density	1640	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	1 - 3	h	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

U.V. stabilized or stable to weather

**Features**

Creep Resistance, High Gloss

**Chemical Resistance**

General Chemical Resistance

**Certifications**

RoHS compliant

**Applications**

Automotive, IT / Business Machine, Electrical and Electronical, General Purpose

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa