

Ixef® 1023/0008

PARA-GF50

Syensqo

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
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
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	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	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	Value	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	Value	Unit	Test Standard
ISO Data			
Density	1640	kg/m³	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, Natural Color

Special Characteristics

UV stablized

Features

Creep Resistance, High Gloss

Chemical Resistance

General Chemical Resistance

Applications

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