Ixef® 1023/0008

PARA-GF50 Syensqo

Processing/Physical Characteristics	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			
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
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	IEC 60695-11-10
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
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
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