Xencor™ PARA LGF-1050 BK 000-9

PARA-GLF50 Syensqo

Electrically Insulating.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	Producer Method

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	22000	MPa	ISO 527
Tensile Strength	265	MPa	ISO 527
Strain at Break	1.6	%	ISO 527
Impact Strength (Charpy), +23°C	60	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	34	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	21000	MPa	ISO 178
Flexural strength	405	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	255	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	260	°C	ISO 75-1/-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Humidity absorption	1.2	%	Sim. to ISO 62
Density	1640	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.08	%	-
Melt temperature	310	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	280 - 300	°C	-
Zone 2	280 - 310	°C	-
Zone 3	280 - 310	°C	-
Nozzle temperature	270 - 310	°C	-

Characteristics

Processing
Injection Molding, Compression Molding

Features
Creep Resistance, Fatigue Resistance, High Gloss, Low Warpage

Delivery form
Pellets, Black

Applications
Aircraft and Aerospace, Automotive, Electrical and Electronical

Special Characteristics
Impact modified, Heat aging stabilized

Disclaimer

diagnostic application categories:

- risk class III applications according to EU directive 93/42/EEC
- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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