Xencor™ PARA LGF-1050 BK 000-9

PARA-GLF50 Syensqo

Product Texts

Electrically Insulating.

Processing/Physical Characteristics	Value	Unit	Test Standard
Other Standards[S]			
Molding shrinkage, parallel	**0.2**	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

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
Flexural modulus, 23°C	**21000**	MPa	ISO 178
Flexural strength	**405**	MPa	ISO 178
Charpy impact strength, +23°C	**60**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**34**	kJ/m²	ISO 179/1eA

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
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

Delivery form
Pellets, Black

Special Characteristics
High impact or impact modified, Heat stabilized or stable to heat

Features
Creep Resistance, Fatigue Resistance, High Gloss, Long fiber reinforced, Low Warpage

Certifications
RoHS compliant

Applications
Aircraft and Aerospace, Automotive, Electrical and Electronical

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