Xencor™ PA66 LCF-2030 NT-7

PA66-CF30 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	**24000**	MPa	ISO 527
Yield stress	**325**	MPa	ISO 527
Strain at break	**2**	%	ISO 527
Flexural modulus, 23°C	**22500**	MPa	ISO 178
Flexural strength	**435**	MPa	ISO 178
Charpy impact strength, +23°C	**55**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**18**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**250**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**255**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**18**	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	**100**	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Humidity absorption	**1.7**	%	Sim. to ISO 62
Density	**1280**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**110**	°C	-
Pre-drying - Time	**4**	h	-
Processing humidity	**≤0.1**	%	-
Melt temperature	**310**	°C	-
Mold temperature	**80 - 160**	°C	-
Zone 1	**270 - 300**	°C	-
Zone 2	**270 - 300**	°C	-
Zone 3	**285 - 310**	°C	-
Nozzle temperature	**285 - 320**	°C	-

Characteristics

Processing
Injection Molding, Compression Molding

Features
Creep Resistance, Fatigue Resistance, Long fiber reinforced

Delivery form
Pellets, Natural Color

Regional Availability
Europe

Special Characteristics
Heat stabilized or stable to heat