

Xencor™ PA66 LCF-2030

PA66-CF30

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	24000	MPa	ISO 527
Yield stress	325	MPa	ISO 527
Strain at Break	2	%	ISO 527
Impact Strength (Charpy), +23°C	55	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	18	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	22500	MPa	ISO 178
Flexural strength	435	MPa	ISO 178

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
ISO Data			
Humidity absorption	1.7	%	Sim. to ISO 62
Density	1280	kg/m ³	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	Special Characteristics
Injection Molding, Compression Molding	Heat aging stabilized
Delivery form	Features
Pellets	Creep Resistance, Fatigue Resistance