

Xencor™ PA66 LGF-1030 HI NT-7

PA66-GF30

Syensqo

Electrically Insulating.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.7	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	10000	MPa	ISO 527
Stress at Break	190	MPa	ISO 527
Strain at Break	2.9	%	ISO 527
Impact Strength (Charpy), +23°C	100	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	45	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	9500	MPa	ISO 178
Flexural strength	230	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

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Electric Strength	35	kV/mm	IEC 60243-1
Comparative tracking index	500	-	IEC 60112
ASTM Data			
Surface Resistivity	1E12	Ohm	ASTM D 257

Other Properties	Value	Unit	Test Standard
ISO Data			
Humidity absorption	1.7	%	Sim. to ISO 62
Density	1330	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.1	%	-
Melt temperature	310	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	290 - 300	°C	-
Zone 2	290 - 300	°C	-
Zone 3	290 - 300	°C	-
Nozzle temperature	295 - 305	°C	-

Characteristics

Processing

Injection Molding, Compression Molding

Delivery form

Pellets, Natural Color

Special Characteristics

Impact modified, Heat aging stabilized

Features

Creep Resistance, Fatigue Resistance, Low Warpage

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical