

Xencor™ PPA LGF-1930 HS BK 545-9

PPA-GF30

Syensqo

Electrically Insulating.

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	11000 / 11000	MPa	ISO 527
Stress at Break	180 / 165	MPa	ISO 527
Strain at Break	1.8 / 2	%	ISO 527
Impact Strength (Charpy), +23°C	45 / 40	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy), -30°C	45 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	20 / 15	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	20 / -	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	10300 / -	MPa	ISO 178
Flexural strength	275 / -	MPa	ISO 178

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	285 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	300 / *	°C	ISO 75-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1440 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.03	%	-
Melt temperature	345	°C	-
Mold temperature	135 - 160	°C	-
Zone 1	330 - 340	°C	-
Zone 2	340	°C	-
Zone 3	340	°C	-
Nozzle temperature	335 - 345	°C	-

Characteristics

Processing

Injection Molding, Compression Molding

Delivery form

Pellets, Black

Special Characteristics

Impact modified, Heat aging stabilized

Features

Creep Resistance, Fatigue Resistance, Low Warpage

Applications

Aircraft and Aerospace, Automotive