

## Xencor™ HPPA LGF-4060

### PA\*-GF60

Syensqo

Electrically Insulating.

Rheological properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	22500 / 21000	MPa	ISO 527
Stress at Break	285 / 250	MPa	ISO 527
Strain at Break	2 / 2	%	ISO 527
Impact Strength (Charpy), +23°C	110 / 100	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy), -30°C	100 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	60 / 60	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	60 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Flexural Modulus (23°C)	21500 / -	MPa	ISO 178
Flexural strength	420 / -	MPa	ISO 178

Thermal Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Glass Transition Temperature (10°C/min)	255 / *	°C	ISO 11357-1/-2
Temp. of deflection under load (1.80 MPa)	260 / *	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	18 / *	E-6/K	ISO 11359-1/-2

Electrical Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Electric Strength	35 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
<b>ASTM Data</b>			
Surface Resistivity	* / 1E13	Ohm	ASTM D 257

Other Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Humidity absorption	1.2 / *	%	Sim. to ISO 62
Density	1690 / -	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.1	%	-
Melt temperature	320	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	290 - 300	°C	-
Zone 2	300	°C	-
Zone 3	300	°C	-
Nozzle temperature	300	°C	-

## Characteristics

### Processing

Injection Molding, Compression Molding

### Delivery form

Pellets

### Special Characteristics

Impact modified, Heat aging stabilized

### Features

Creep Resistance, Fatigue Resistance, Low Warpage

### Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical

## Disclaimer

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