

Amodel® LF-1930 HS NT-9

PPA-GF30

Syensqo

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11000	MPa	ISO 527
Stress at break	180	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	10500	MPa	ISO 178
Charpy impact strength, +23°C	50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20	kJ/m ²	ISO 179/1eA

Thermal properties	Value	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

Electrical properties	Value	Unit	Test Standard
ISO Data			
Electric strength	35	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112
ASTM Data			
Surface Resistivity	>1E15	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Humidity absorption	1.1	%	Sim. to ISO 62
Density	1440	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-
Melt temperature	345	°C	-
Mold temperature	130 - 160	°C	-
Zone 1	325 - 340	°C	-
Zone 2	325 - 340	°C	-
Zone 3	325 - 340	°C	-
Nozzle temperature	325 - 345	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Features

Creep Resistance, Fatigue Resistance, Low Warpage

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa