

Amodel® LF-1630 L NT-7

PPA-CF30

Syensqo

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	26000	MPa	ISO 527
Stress at break	320	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus, 23°C	24500	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12	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
ASTM Data			
Surface Resistivity	100	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Humidity absorption	0.8	%	Sim. to ISO 62
Density	1300	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	≤0.08	%	-
Melt temperature	340	°C	-
Mold temperature	135 - 165	°C	-
Zone 1	320 - 340	°C	-
Zone 2	320 - 335	°C	-
Zone 3	320 - 335	°C	-
Nozzle temperature	325 - 340	°C	-

Characteristics**Processing**

Injection Molding

Features

Creep Resistance, Fatigue Resistance, Low Warpage

Delivery form

Pellets

Regional Availability

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