

**Amodel® FC-1120 L**  
PPA-GF20

Syensqo

Mechanical Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	8900	MPa	ISO 527
Stress at Break	160	MPa	ISO 527
Strain at Break	2	%	ISO 527
Flexural Modulus (23°C)	8400	MPa	ISO 178
Flexural strength	230	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	6.3	kJ/m <sup>2</sup>	ISO 180/1A
Impact Strength (Izod), 23°C	35	kJ/m <sup>2</sup>	ISO 180/1U

Thermal Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load (1.80 MPa)	275	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	297	°C	ISO 75-1/-2

Other Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Density	1380	kg/m <sup>3</sup>	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	320 - 345	°C	-
Mold temperature	150	°C	-
Zone 1	310 - 330	°C	-
Zone 2	315 - 330	°C	-
Zone 3	325 - 335	°C	-

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets, Natural Color

**Features**

Creep Resistance

**Chemical Resistance**

General Chemical Resistance, Hydrolysis

**Certifications**

Food approval, Food approval 10/2011, Food Contact (FDA)