

Amodel® AT-6130 HS

PPA-GF30

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.008	mm/mm	ASTM D 955

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	9310 / -	MPa	ISO 527
Stress at break	170 / -	MPa	ISO 527
Strain at break	3.3 / -	%	ISO 527
Flexural modulus, 23°C	7580 / -	MPa	ISO 178
Charpy notched impact strength, +23°C	13 / -	kJ/m ²	ISO 179/1eA

ASTM Data			
Tensile Strength at Break	167 / -	MPa	ASTM D 638
Elongation at Break	3.2 / -	%	ASTM D 638
Flexural Modulus	7860 / -	MPa	ASTM D 790
Izod Impact notched, 1/8 in	130 / -	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1400 / -	J/m	ASTM D 256

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	310 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	276 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	298 / *	°C	ISO 75-1/-2
ASTM Data			
Melting Temperature	306	°C	ASTM D 3418

Other properties	dry / cond	Unit	Test Standard
Density	1340 / -	kg/m ³	ISO 1183
Water Absorption, 24hr	0.15	%	ASTM D 570

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.15	%	-
Melt temperature	321 - 335	°C	-
Mold temperature	66 - 93	°C	-
Zone 1	316 - 324	°C	-
Zone 2	327 - 332	°C	-
Injection speed	50 - 100	mm/s	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black, Natural Color

Additives

Lubricants, Release agent

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Features

Tribologic Grade

Chemical Resistance

General Chemical Resistance

Applications

Automotive, IT / Business Machine, Electrical and Electronical, General Purpose

Regional Availability

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