

Amodel® A-8930 HS

PPA-GF30

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0089	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	12100	MPa	ISO 527
Stress at break	194	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Flexural modulus, 23°C	11400	MPa	ISO 178
Charpy impact strength, +23°C	48	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	46	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7.9	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	7.5	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	43	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	8.1	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	323	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	290	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	311	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1470	kg/m ³	ISO 1183
Water Absorption, 24hr	0.21	%	ASTM D 570

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.06	%	-
Melt temperature	321 - 343	°C	-
Mold temperature	150	°C	-
Zone 1	316 - 329	°C	-
Zone 2	316 - 329	°C	-
Zone 3	324 - 335	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance

Regional Availability

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