

Amodel® DW-1140

PPA-GF40

Syensqo

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14000	MPa	ISO 527
Stress at break	230	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	1400	MPa	ISO 178
Charpy impact strength, +23°C	63	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	9.3	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	82	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	300	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1550	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	340 - 360	°C	-
Mold temperature	160	°C	-
Zone 1	315 - 330	°C	-
Zone 2	320 - 340	°C	-
Zone 3	325 - 345	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black, Natural Color

Special Characteristics

Heat stabilized or stable to heat

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

Certifications

Drinking water contact

Regional Availability

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