

Amodel® A-1145 DW

PPA-GF45

Syensqo

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	15100	MPa	ISO 527
Yield stress	232	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Flexural modulus, 23°C	14000	MPa	ISO 178
Charpy notched impact strength, +23°C	9.9	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	7.8	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	302	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1610	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	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, Black, Natural Color

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

Certifications

Drinking water contact, Drinking water contact NSF 61

Regional Availability

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