

Amodel® FC-1140 L BK 302

PPA-GF40

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0018	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0057	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	15300	MPa	ISO 527
Stress at break	260	MPa	ISO 527
Strain at break	2.2	%	ISO 527
Flexural modulus, 23°C	14700	MPa	ISO 178
Flexural strength	360	MPa	ISO 178
Charpy impact strength, +23°C	81	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	297	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1560	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	320 - 345	°C	-
Mold temperature	150	°C	-
Zone 1	315 - 330	°C	-
Zone 2	320 - 340	°C	-
Zone 3	325 - 345	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Additives

Lubricants

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, RoHS compliant

Regional Availability

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