

Amodel® FC-1140

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	15400	MPa	ISO 527
Stress at Break	250	MPa	ISO 527
Strain at Break	2	%	ISO 527
Impact Strength (Charpy), +23°C	75	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	10	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	14700	MPa	ISO 178

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
ISO Data			
Density	1540	kg/m³	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	324 - 345	°C	-

Characteristics
Processing

Injection Molding

Features

Creep Resistance

Delivery form

Pellets, Black, Natural Color

Chemical Resistance

General Chemical Resistance, Hydrolysis

Special Characteristics

Heat aging stabilized

Certifications

Food approval, Food approval 10/2011, Food Contact (FDA)