

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
Impact Strength (Charpy), +23°C	81	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
Flexural strength	360	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	1560	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	320 - 345	°C	-
Mold temperature	150	°C	-
Zone 1	315 - 330	°C	-
Zone 2	320 - 340	°C	-
Zone 3	325 - 345	°C	-

Characteristics

Processing	Features
Injection Molding	Creep Resistance
Delivery form	Chemical Resistance
Pellets, Black	General Chemical Resistance, Hydrolysis
Additives	Certifications
Lubricants	Food approval, Food approval 10/2011, Food Contact (FDA)