

Amodel® AE-8950

PPA-GF50

Syensqo

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	19800	MPa	ISO 527
Stress at Break	280	MPa	ISO 527
Strain at Break	2.1	%	ISO 527
Impact Strength (Charpy), +23°C	80	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	12	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	18500	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	12	kJ/m²	ISO 180/1A

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	325	°C	ISO 11357-1/-3
Glass Transition Temperature (10°C/min)	135	°C	ISO 11357-1/-2
Temp. of deflection under load (1.80 MPa)	300	°C	ISO 75-1/-2
Burning Behav. at thickness h	HB	class	UL 94
Thickness tested	3.2	mm	-

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1680	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	330 - 350	°C	-
Mold temperature	150 - 165	°C	-
Zone 1	316 - 330	°C	-
Zone 2	316 - 330	°C	-
Zone 3	324 - 340	°C	-
Injection speed	75 - 100	mm/s	-

Characteristics
Processing

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Heat aging stabilized

Features

Creep Resistance

Chemical Resistance

General Chemical Resistance

Applications

Automotive, Electrical and Electronical