

Amodel® AE-8930

PPA-GF30

Syensqo

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	11900	MPa	ISO 527
Stress at Break	210	MPa	ISO 527
Strain at Break	2.3	%	ISO 527
Impact Strength (Charpy), +23°C	56	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	7.2	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	11000	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	7.2	kJ/m ²	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)	290	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm Nom. Thickn.	HB	class	UL 94
Thickness tested	1.6	mm	-
UL recognition	yes	-	-

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112
ASTM Data			
Dissipation Factor, 60 Hz	0.007	-	ASTM D 150
Dielectric Constant, 60 Hz	4.35	-	ASTM D 150
Dielectric Constant, 1 MHz	4.02	-	ASTM D 150

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1450	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	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