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
Flexural modulus, 23°C	**11000**	MPa	ISO 178
Charpy impact strength, +23°C	**56**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**7.2**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**7.2**	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	**290**	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
Yellow Card available	**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
Density	**1450**	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 stabilized or stable to heat

Features
Creep Resistance

Chemical Resistance
General Chemical Resistance

Applications
Automotive, Electrical and Electronical

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