Amodel® AE-8935

PPA-GF35 Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	**0.3**	mm/mm	ASTM D 955
Mold Shrinkage, TD	**0.8**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**12600**	MPa	ISO 527
Stress at break	**220**	MPa	ISO 527
Strain at break	**2.4**	%	ISO 527
Flexural modulus, 23°C	**12200**	MPa	ISO 178
Charpy impact strength, +23°C	**96**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**11**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**290**	°C	ISO 75-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.2**	mm	-

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	**>1E15**	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	**1470**	kg/m³	ISO 1183
Water Absorption, Equilibrium	**0.16**	%	ASTM D 570

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 - 352**	°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, Thermal Stability

Chemical Resistance
General Chemical Resistance

Applications
Automotive, Electrical and Electronical

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