

Strator® C-4

PA66-GF40

Syensqo

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	13000	MPa	ISO 527
Stress at break	220	MPa	ISO 527
Strain at break	2.2	%	ISO 527
Flexural modulus, 23°C	10900	MPa	ISO 178
Charpy impact strength, +23°C	70	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	30	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	237	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	245	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Electric strength	35	kV/mm	IEC 60243-1
Comparative tracking index	500	-	IEC 60112
ASTM Data			
Surface Resistivity	1E12	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Humidity absorption	1.5	%	Sim. to ISO 62
Density	1500	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	<310	°C	-
Mold temperature	80 - 160	°C	-
Zone 1	270 - 300	°C	-
Zone 2	270 - 300	°C	-
Zone 3	285 - 310	°C	-
Nozzle temperature	285 - 320	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Regional Availability

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