ISONYL® A6 GF30 ST

PA6-GF30 Sirmax S.p.A.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.3**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**8500**	MPa	ISO 527
Stress at break	**130**	MPa	ISO 527
Strain at break	**5**	%	ISO 527
Flexural modulus, 23°C	**7300**	MPa	ISO 178
Flexural strength	**200**	MPa	ISO 178
Charpy impact strength, +23°C	**80**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**14**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**14**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**190**	°C	ISO 75-1/-2
Vicat softening temperature, B	**205**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-

Other properties	Value	Unit	Test Standard
Density	**1340**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80 - 100**	°C	-
Pre-drying - Time	**3**	h	-
Melt temperature	**240 - 260**	°C	-
Mold temperature	**80 - 100**	°C	-

Characteristics

Processing
Injection Molding

Special Characteristics
High impact or impact modified

Certifications
RoHS compliant

Regional Availability
North America, Europe, Asia Pacific, South and Central America