

Technical data sheet

SUSTAMID® 66 GF 30 (Extruded Nylon 30% Glass Reinforced, Heat Stabilized)

Product characteristics

- Good dimensional stability; high hardness & rigidity
- Very high heat deflection temperature
- High absorption of moisture of up to 2.7% in standard conditions

Typical field of application

- Mechanical engineering
- Electronic industry
- Aircraft & vehicle construction

Physical Properties	tested method	unit	value
Density	ISO 1183	g/cm ³	1.37
Mechanical Properties	tested method	unit	value
Tensile Modulus	ISO 527	Mpa (kpsi)	9900 (1440)
Stress at Break	ISO 527	Mpa (kpsi)	187 (27.1)
Strain at Break	ISO 527	%	3
Notched Charpy Impact Strength (-30°C)	ISO 179 / leA	kJ/m ²	9
Notched Charpy Impact Strength (23°C)	ISO 179 / leA	kJ/m ²	10
Unnotched Charpy Impact Strength	ISO 179 / leU	kJ/m ²	75
Thermal Properties	tested method	unit	value
Deflection Temperature (0.45 MPa)	ISO 75f	°C (°F)	258°C (496°F)
Deflection Temperature (1.80 MPA)	ISO 75f	°C (°F)	250°C (482°F)
Melting Temperature (10°C/min)	ISO 11357-1 / -3	°C (°F)	263°C (505°F)
Melt Temperature Range	-	°C (°F)	285-305 (545-580)
Melt Temperature Optimum	-	°C (°F)	295 (565)
Flammability, UL94	-	0.75mm	HB
Electrical Properties	tested method	unit	value
CTI (3.0mm)	UL 746A	V	400
Compliance Properties	tested method	unit	value
FDA	-	-	No

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale. Data is based on injection molded test specimens.