

Generic Nylon 6 - Glass Fiber, Long

Polyamide 6

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Nylon 6 - Glass Fiber, Long
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Long glass fiber		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.35 - 1.69	g/cm ³	ASTM D792
23°C	1.36 - 1.69	g/cm ³	ISO 1183
Molding Shrinkage			
Flow: 23°C	0.075 - 0.30	%	ASTM D955
23°C	0.20 - 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
23°C	8360 - 17600	MPa	ASTM D638
23°C	9510 - 22500	MPa	ISO 527-2
Tensile Stress			
Fracture, 23°C	155 - 255	MPa	ISO 527-2
23°C	137 - 236	MPa	ASTM D638
Tensile Elongation			
Fracture, 23°C	1.5 - 3.3	%	ASTM D638
Fracture, 23°C	1.6 - 2.2	%	ISO 527-2
Flexural Modulus			
23°C	6500 - 15500	MPa	ASTM D790
23°C	8210 - 19000	MPa	ISO 178
Flexural Strength			
23°C	210 - 354	MPa	ASTM D790
23°C	249 - 405	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	25 - 32	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	210 - 350	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1300 - 1500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, not annealed	207 - 220	°C	ASTM D648
1.8 MPa, not annealed	210 - 220	°C	ISO 75-2/A

Injection	Nominal Value	Unit
Drying Temperature	75.0 - 110	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.10 - 0.18	%
Rear Temperature	259 - 270	°C
Middle Temperature	270 - 274	°C
Front Temperature	277 - 285	°C
Nozzle Temperature	278 - 295	°C
Processing (Melt) Temp	257 - 320	°C
Mold Temperature	73.9 - 105	°C

Injection instructions

This data represents typical values that have been calculated from all products classified as: Generic Nylon 6 - Glass Fiber, LongThis information is provided for comparative purposes only.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

