

Generic ABS+Nylon - Glass Fiber

Acrylonitrile Butadiene Styrene + Nylon

Generic

Message:

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

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.10 - 1.53	g/cm ³	ASTM D792
23°C	1.12 - 1.20	g/cm ³	ISO 1183
Molding Shrinkage			
Flow: 23°C	0.30 - 0.50	%	ASTM D955
23°C	0.25 - 0.80	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.70	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	116 - 118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2500 - 5400	MPa	ISO 527-2
Tensile Stress			
Yield, 23°C	43.0 - 56.4	MPa	ISO 527-2
Fracture, 23°C	51.0 - 124	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.8 - 4.0	%	ASTM D638
Flexural Modulus			
23°C	2140 - 8320	MPa	ASTM D790
23°C	2550 - 6500	MPa	ISO 178
Flexural Strength			
23°C	75.8 - 207	MPa	ASTM D790
23°C	60.0 - 167	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.9 - 12	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	29 - 50	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	80 - 160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	107 - 202	°C	ASTM D648
Vicat Softening Temperature	108 - 182	°C	ISO 306
Injection	Nominal Value	Unit	
Drying Temperature	79.6 - 105	°C	

Drying Time	1.0 - 3.5	hr
Processing (Melt) Temp	250 - 260	°C
Mold Temperature	59.5 - 80.0	°C

Injection instructions

This data represents typical values that have been calculated from all products classified as: Generic ABS+Nylon - Glass FiberThis 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

