

Generic TS, Unspecified - Glass Fiber

Thermoset, Unspecified

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic TS, Unspecified - 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	1.74 - 1.90	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.041 - 0.25	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10 - 0.25	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Barcol Hardness	44 - 45		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8750 - 15500	MPa	ASTM D638
Tensile Strength (23°C)	29.0 - 82.7	MPa	ASTM D638
Flexural Modulus (23°C)	6660 - 12800	MPa	ASTM D790
Flexural Strength (23°C)	65.7 - 212	MPa	ASTM D790
Compressive Strength (23°C)	94.8 - 190	MPa	ASTM D695
Poisson's Ratio (23°C)	0.30		ASTM E132
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	13 - 1100	J/m	ASTM D256
Unnotched Izod Impact (23°C)	320 - 1500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204 - 205	°C	ASTM D648
Linear thermal expansion coefficient			ASTM D696
Flow	2.5E-5 - 2.6E-5	cm/cm/°C	ASTM D696
Lateral	3.4E-5 - 3.5E-5	cm/cm/°C	ASTM D696
Thermal Conductivity (23°C)	0.28 - 0.31	W/m/K	ASTM C177
RTI Elec	129 - 130	°C	UL 746
RTI Imp	130 - 131	°C	UL 746
RTI	130 - 131	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (23°C)	12 - 18	kV/mm	ASTM D149
Dielectric Constant (23°C)	3.54 - 5.26		ASTM D150
Dissipation Factor (23°C)	1.4E-3 - 0.018		ASTM D150
Arc Resistance	178 - 181	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method

Burning Rate	7.9 - 17	mm/min	ISO 3795
Injection	Nominal Value	Unit	
Mold Temperature	149 - 150	°C	
Injection Pressure	5.00 - 5.19	MPa	
Injection instructions			

This data represents typical values that have been calculated from all products classified as: Generic TS, Unspecified - 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

