

Genestar™ G1500A-M61

Polyamide 9T

Kuraray Co., Ltd.

Message:

Genestar G1500A-M61 is a 50% glass reinforced injection grade.

Main feature of G1500A-M61 are;

Heat resistance

High strength

Examples of application are;

Structural parts

Steel alternating parts

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight
Features	High strength
	Heat resistance, high
Uses	Components
	Application in Automobile Field
Appearance	Black
Processing Method	Injection molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)
	Tensile Modulus vs. Temperature (ISO 11403-1)

Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Vertical flow direction	0.80	%	ISO 294-4
Flow direction	0.20	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.13	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	250	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	15300	MPa	ISO 178
Flexural Stress	370	MPa	ISO 178
Coefficient of Friction ¹	0.30		JIS K7218
Abrasion Loss ²	60.0	mg	JIS K7218
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	17	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	275	°C	ISO 75-2/Af
Glass Transition Temperature	125	°C	
Melting Temperature	300	°C	ISO 11357-3

Additional Information

Critical PV value : 1050 kg/cm²*cm/sec (JIS K7218-A)

NOTE

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|----|-------------------------|
| 1. | P=10kgf/cm ² |
| 2. | P=10kgf/cm ² |

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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



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