

Genestar™ GC1201A-M41

Polyamide 9T
Kuraray Co., Ltd.

Message:

Genestar GC1201A-M41 is a reinforced injection grade for conductive applications.
Main feature of GC1201A-M41 are;
Conductivity
Heat resistance
Chemical resistance
Examples of application are;
Quick connector

General Information			
Filler / Reinforcement	Filler		
Features	Conductive		
	Good Chemical Resistance		
	High Heat Resistance		
Uses	Automotive Applications		
	Connectors		
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	1.22	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.70	%	
Flow	0.20	%	
Water Absorption (23°C, 24 hr)	0.19	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	170	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	9400	MPa	ISO 178
Flexural Stress	260	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	12	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	265	°C	ISO 75-2/Af

Glass Transition Temperature	125	°C	
Melting Temperature	300	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Conductivity - 500V	< 1.0E+6	ohms	Internal Method

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