

## Kuraray Genestar<sup>®</sup>,ç GC1201A-M41 Nylon, Glass Filled and Carbon Filled

Category : Polymer , Thermoplastic , Nylon

### Material Notes:

Reinforced injection grade for conductive applications. Main Features: Conductivity Heat resistance Chemical resistance Example of applications: Quick connector

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kuraray-Genestar-GC1201A-M41-Nylon-Glass-Filled-and-Carbon-Filled.php](http://www.lookpolymers.com/polymer_Kuraray-Genestar-GC1201A-M41-Nylon-Glass-Filled-and-Carbon-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.19 %	0.19 %	ISO 62
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	170 MPa	24700 psi	ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	ISO 527-1/-2
Tensile Modulus	10.9 GPa	1580 ksi	ISO 527-1/-2
Flexural Strength	260 MPa	37700 psi	ISO 178
Flexural Modulus	9.40 GPa	1360 ksi	ISO 178
Charpy Impact, Notched	1.20 J/cm <sup>2</sup>	5.71 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	16.0 Åµm/m-Å°C	8.89 Åµin/in-Å°F	ASTM D696
CTE, linear, Transverse to Flow	39.0 Åµm/m-Å°C	21.7 Åµin/in-Å°F	ASTM D696
Melting Point	300 Å°C	572 Å°F	10Å°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	265 Å°C	509 Å°F	ISO 75-1/-2
Glass Transition Temp, Tg	125 Å°C	257 Å°F	10Å°C/min; ISO 11357-1/-2

Descriptive Properties	Value	Comments
Additives	Release Agent	

<b>Descriptive Properties</b> Applications	<b>Value</b> Automotive	<b>Comments</b>
	General Purpose	
Chemical Resistance	Acid Resistance	
	Alkali Resistance	
	Environmental Stress Crack Resistance	
	General Chemical Resistance	
	Grease Resistance	
	Hydrolytically Stable	
	Oil Resistance	
	Solvent Resistance	
Delivery Form	Black	
Other Features	Barrier Properties	
	Creep Resistance	
	High Crystallinity	
	Thermal Stability	
	Weldable	
Regional Availability	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	
Special Characteristics	Heat Stabilized or Stable to Heat	
	High Impact or Impact Modified	

## Contact Songhan Plastic Technology Co.,Ltd.

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