

## Kuraray Genestar™ G1300A-M41 Nylon, 30% Glass Filled

Category : Polymer , Thermoplastic , Nylon

### Material Notes:

Glass reinforced injection grade. Main Features:Chemical resistanceHeat resistanceExamples of applications:Gears and bearing retainersIntercooler tank and turbo duct pipe

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kuraray-Genestar-G1300A-M41-Nylon-30-Glass-Filled.php](http://www.lookpolymers.com/polymer_Kuraray-Genestar-G1300A-M41-Nylon-30-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.19 %	0.19 %	ISO 62
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	190 MPa	27600 psi	ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	ISO 527-1/-2
Tensile Modulus	9.74 GPa	1410 ksi	ISO 527-1/-2
Flexural Strength	270 MPa	39200 psi	ISO 178
Flexural Modulus	8.80 GPa	1280 ksi	ISO 178
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 179/1eA
Coefficient of Friction	0.40	0.40	ISO JIS K7218-A
K Factor (Wear Factor)	40	40	[mg]
Limiting Pressure Velocity	1.00 MPa-m/sec	28600 psi-ft/min	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	24.0 μm/m-°C	13.3 μin/in-°F	ASTM D696
CTE, linear, Transverse to Flow	41.0 μm/m-°C	22.8 μin/in-°F	ASTM D696
Melting Point	300 °C	572 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	270 °C	518 °F	ISO 75-1/-2

<b>Thermal Properties</b> mp, Tg	<b>Metric</b>	<b>English</b>	<b>Comments</b> SO 11357-1/-2
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<b>Descriptive Properties</b>	<b>Value</b>	<b>Comments</b>
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<b>Additives</b>	<b>Release Agent</b>	
<b>Applications</b>	<b>Automotive</b>	
	<b>General Purpose</b>	
<b>Chemical Resistance</b>	<b>Acid Resistance</b>	
	<b>Alkali Resistance</b>	
	<b>Environmental Stress Crack Resistance</b>	
	<b>General Chemical Resistance</b>	
	<b>Grease Resistance</b>	
	<b>Hydrolytically Stable</b>	
	<b>Oil Resistance</b>	
	<b>Solvent Resistance</b>	
<b>Delivery Form</b>	<b>Black</b>	
	<b>Natural Color</b>	
<b>Other Features</b>	<b>Barrier Properties</b>	
	<b>Creep Resistance</b>	
	<b>High Crystallinity</b>	
	<b>Thermal Stability</b>	
	<b>Weldable</b>	
<b>Regional Availability</b>	<b>Asia Pacific</b>	
	<b>Europe</b>	
	<b>Near East/Africa</b>	
	<b>North America</b>	
	<b>South and Central America</b>	
<b>Special Characteristics</b>	<b>Heat Stabilized or Stable to Heat</b>	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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