

## Kuraray Genestar<sup>®</sup>,ç G1352A-M41 Nylon, 35% Glass Filled

Category : Polymer , Thermoplastic , Nylon

### Material Notes:

Low friction reinforced injection grade. Main Features: Low friction coefficient, Abrasion resistance. Examples of applications: Friction and wear application, Gear and wheel.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kuraray-Genestar-G1352A-M41-Nylon-35-Glass-Filled.php](http://www.lookpolymers.com/polymer_Kuraray-Genestar-G1352A-M41-Nylon-35-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	
Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.14 %	0.14 %	ISO 62
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	200 MPa	29000 psi	ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	ISO 527-1/-2
Tensile Modulus	11.6 GPa	1680 ksi	ISO 527-1/-2
Flexural Strength	290 MPa	42100 psi	ISO 178
Flexural Modulus	10.7 GPa	1550 ksi	ISO 178
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	ISO 179/1eA
Coefficient of Friction	0.30	0.30	ISO JIS K7218-A
K Factor (Wear Factor)	10	10	[mg]
Limiting Pressure Velocity	1.50 MPa-m/sec	42800 psi-ft/min	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	17.0 Åµm/m-Å°C	9.44 Åµin/in-Å°F	ASTM D696
CTE, linear, Transverse to Flow	45.0 Åµm/m-Å°C	25.0 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)	270 Å°C	518 Å°F	ISO 75-1/-2

Thermal Properties <small>mp, Tg</small>	Metric <small>°C</small>	English	Comments <small>ISO 11357-1/-2</small>
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Descriptive Properties	Value	Comments
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Additives	Lubricants	
	Release Agent	
Applications	Automotive	
	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	
	Low Coefficient of Friction	
	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	

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

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