

Product Texts

GENESTAR G1352A-M41 is a 35% GF reinforced injection molding grade with improved tribological properties.

The main features are:

- Performance at high temperature
- Low wear and friction
- Dimensional stability

This grade is suitable for reinforced friction applications.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	11600	MPa	ISO 527
^[C] Stress at break	200	MPa	ISO 527
^[C] Strain at break	2.5	%	ISO 527
^[C] Charpy notched impact strength, +23°C	13	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	300	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	125	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2

ASTM Data

Coefficient of Thermal Expansion, MD	17	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	45	E-6/K	ASTM D 696

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.14	%	Sim. to ISO 62
^[C] Density	1500	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Black

Additives

Lubricants, Release agent

Special Characteristics

Heat stabilized or stable to heat

Features

Barrier Properties, Creep Resistance, Fatigue Resistance, High Crystallinity, Thermal Stability, Tribologic Grade, Weldable

Chemical Resistance

Acid Resistance, Alkali Resistance, General Chemical Resistance, Environmental Stress Crack Resistance, Solvent Resistance, Grease Resistance, Hydrolytically Stable, Oil Resistance

Applications

Automotive, General Purpose

Regional Availability

North America, Europe, Asia Pacific, South and Central America,
Near East/Africa