

GLAMIDE™ Agenda

- High impact polyamide resin "TY-722GDQ" and "TY-752GDQ"
- Ultra-High Rigidity Polyamide resin "JF-30G"

GLAMIDE™ High impact polyamide resin "TY-722GDQ" and "TY-752GDQ"

Features

- "TY-722GDQ" ISO Material Indication : PA6-I-GF15
- "TY-752GDQ" ISO Material Indication : PA6-I-GF30
- High impact
- Low-temperature impact resistant
- Good appearance

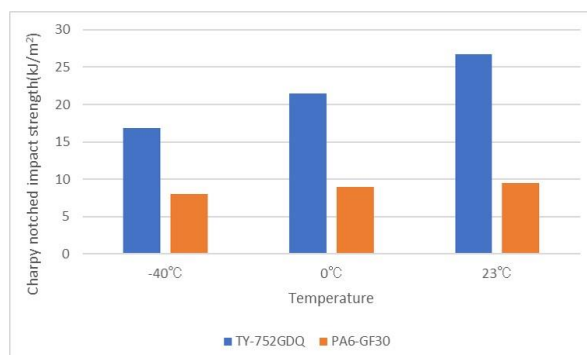
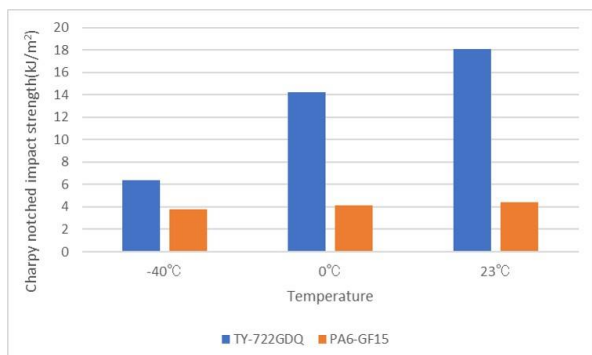
Applications

- Automotive parts
- Electrical and electronic parts
- Industrial parts
- Snowboard bindings
- Sporting goods, etc.

Spec · Quality

	Unit	GLAMIDE® TY-722GDQ	General PA6-GF15	GLAMIDE® TY-752GDQ	General PA6-GF30	
Features		High impact Good appearance	Standard	High impact Good appearance	Standard	
ISO Material Indication		>PA6-I-GF15<	>PA6-GF15<	>PA6-I-GF30<	>PA6-GF30<	
Density	g/cm ³	1.17	1.23	1.30	1.36	
Flexural strength	MPa	121	152	203	218	
Flexural modulus	GPa	3.5	4.5	6.9	8.0	
Charpy notched impact strength	-40°C	kJ/m ²	6.4	3.8	16.8	8.0
	0°C	kJ/m ²	14.2	4.1	21.5	9.0
	23°C	kJ/m ²	18.1	4.4	26.7	9.5
Temperature of deflection under load	0.45M Pa	°C	210	215	215	220
	1.8 MPa	°C	180	190	190	200

Impact resistant



*Values and properties listed here are typical values, not guaranteed values.

GLAMIDE™ Ultra-High Rigidity Polyamide Resin "JF-30G"

Features

- World-class GF reinforced material with flexural modulus of 26.5GPa
- Ultra-high strength: Flexural strength of 470MPa is stronger than metal and CFRP
- Ultra-high impact resistance: Outstanding impact strength (Charpy) of 38kJ/m² plus
- Attractive appearance: High gloss even with high GF filling
- Low warpage and outstanding dimensional precision

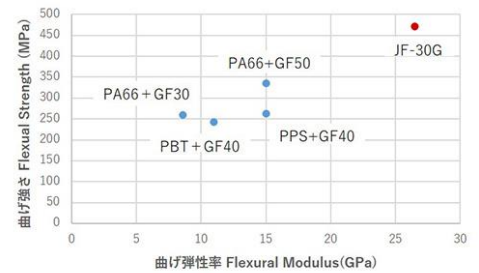
Applications

- Door mirror parts
- Automotive pedals
- Gear
- Resin screws
- Leisure goods such as fishing tackle, etc.

Spec · Quality

	GLAMIDE® JF-30G	General PA66-GF50
Features	Ultra-high rigidity High impact resistance Low sled Low water absorption Good appearance	High rigidity
ISO Material Indication	>PAMXD6+PA66-GF70<	>PA66-GF50<
Density(g/cm ³)	1.87	1.57
Flexural strength(MPa)	470	335
Flexural modulus(GPa)	26.5	15
Charpy impact(kJ/m ²)	38.0	15.0

Comparison with injection materials



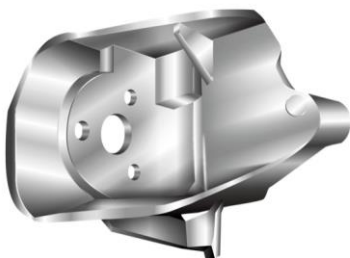
Advantages of switching to JF-30G

1. Lightweight. Depending on shape and product quality, weight reduction is possible.
2. Creativity. Manufacture products with complex shapes and reduced number of parts.
3. No burr treatment during die-cast manufacturing.
4. Shorten processing time and reduce manpower.
5. Chemical resistance
6. Insulating properties
7. Rust resistance

	Density(g/cm ³)
GLAMIDE® JF-30G	1.87
Die-cast aluminum	About 2.7
Zinc die-cast	About 6.6
Stainless Steel(SUS)	About 7.7~8.0

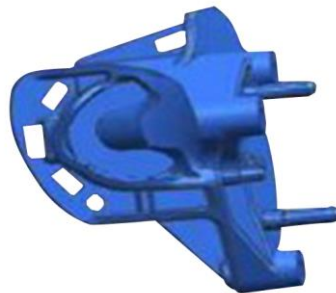
Examples of Consideration

Formulate optimal geometry with topology analysis



Die-cast aluminum

⇒
24% lighter



JF-30G

*Values and properties listed here are typical values, not guaranteed values.