

State-of-the-art metal replacement

LUVOCOM® 2000-53039 | TPI glass reinforced

Another weakness of replacing metal with plastics has been overcome. Typically, this replacement only works at moderate ambient temperatures, as mechanical performance decreases at higher temperatures, especially above 150°C.

Now available, our offer with the following features:

- High technical strength and stiffness even at 200°C.
- 25% stronger and 35% stiffer than competitive compounds
- Stiffer than existing carbon fiber compounds.
- Complete electrical insulation.

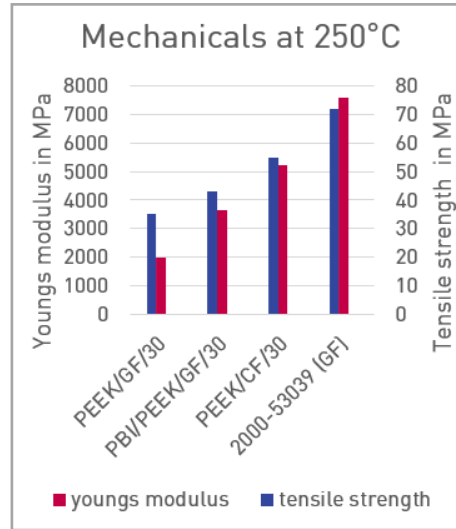
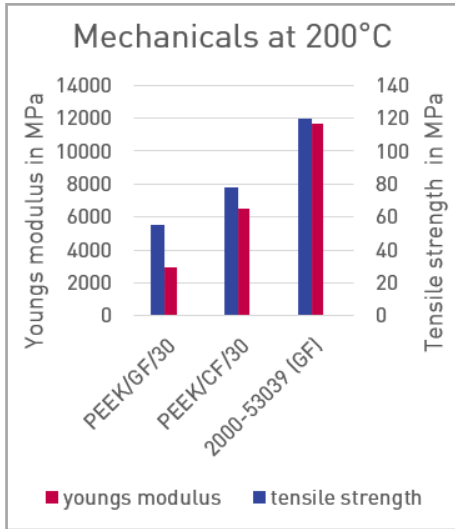
LUVOCOM® 2000-53039 can even replace ceramic parts. A high-performance carbon fiber version will be available soon.

A photograph of a technician in a dark blue uniform and orange headphones working on a large aircraft engine in a hangar. The technician is holding a laptop and looking at the engine. The engine is mounted on a blue stand. The hangar has a high ceiling with a complex steel truss structure.

Break the
mold

Potential benefits when switching to LEHVOSS Compounds

Thermoplastic Polyimide (TPI) offers exceptional properties. Our unique modification technology enables a previously unattainable property profile in the mechanical properties of thermoplastic materials, and specifically of TPI. The following diagrams show the stiffness and strength values at various temperatures compared to other high-performance compounds.



Want to know more? Simply contact our experts!

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