

These resins undertake scalability and manufacturability concerns regarding traditional materials, and open new opportunities to advance the state of the art in optical component design, ...

Our TPI granules meet rigorous international quality standards to guarantee consistent performance across industries. From injection-molded aerospace components to precision electronics parts, TPI ...

These advanced materials significantly enhance thermal management in 3D packaging structures, supporting demanding applications such as high-performance computing and optical ...

The optical module is a very important component in an optical communication system. This article will introduce you to the internal components and structure of ...

On the other end of the spectrum, thermoplastic polyimide (TPI) is a high-performance polymer with good flame and heat resistance, and long-term ...

OptiTIM is a durable thermal interface material that can withstand the insertion and removal requirements of the pluggable module while maintaining the thermal performance.

The pure TPI resin powder was dried at 205°C for 6 h in a vacuum dryer, and then extruded at elevated temperature with carbon fiber, glass fiber, graphite, poly(tetrafluoroethylene) (PTFE) or molybdenum ...

This material has exceptional mechanical, thermal, and chemical resistance properties and is suitable for the most demanding applications in the aerospace, automotive, electronics, and industrial markets.

Thermoplastic polyimides (TPIs) exhibit favorable processing capabilities, and meanwhile preserve most of the superior properties of PIs, such as excellent heat resistance, ...

New ULTEM\* polyetherimide (PEI) and EXTEM\* thermoplastic polyimide (TPI) resins meet the material requirements for the optoelectronics industry. These resins have building blocks ...

These advanced materials significantly enhance thermal management in 3D packaging structures, supporting demanding applications ...

D. J. Progar, T. L. St. Clair and J. R. Pratt, "Thermoplastic Adhesives Based on 4,4'-Isophthaloyldiphthalic Anhydride (IDPA)", in Polyimides: Materials, Chemistry and Characterization, ...

Find products and reference designs for your system. View the TI Optical module block diagram, product recommendations, reference designs and start designing.

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