



Description:

High-performance PEEK connectors provide many advantages over conventional metal, ceramic and glass combinations. There is a dramatic reduction in weight and cost. They offer greater flexibility in design along with rapid prototyping and efficient high volume production. Superior chemical resistance allows a broader range of operating environments without having to reengineer the device. Material properties are easily tailored to specific applications due to the great variety of chemical formulations and additive enhancements. In many cases PEEK can be substituted for metal and still achieve equivalent or improved mechanical behavior. Typically not subject to secondary operations such as coatings, post machining or final assembly.

Features:

- ◆ Excellent High Temperature Performance
- ◆ Outstanding Long-Term Creep and Fatigue Resistance Over a Broad Temperature Range
- ◆ Exceptional Chemical Resistance
- ◆ Low Flammability & Low Smoke Emission
- ◆ Good Electrical Properties
- ◆ Configurable with Single or Multiple High-Density Contacts
- ◆ Standard and Custom Designs Available

Performance:

- ◆ Extraordinary High Temperature and Pressure Capability
- ◆ Hermetic (Helium Leak Tested $< 10^{-8}$ sccm)
- ◆ Surprising Toughness and Strength Characteristics
- ◆ Function Well Under Harsh Conditions
- ◆ Overall Performance can be Optimized based on the Application Requirements

Applications:

- ◆ Down Hole Tools
- ◆ Completion Systems
- ◆ Aerospace
- ◆ Military

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