

High Performance Polymers Electric & Electronic Applications

High Performance Polymers play a vital role in applications requiring properties such as temperature resistance, electrical insulation and low weight. They offer additional unique advantages, including low friction, low outgassing and high purity for cable insulation powder coatings connectors, friction components and housing parts.

Celazole® PBI **Tg=427°C**
(Polybenzimidazole)



Meldin® **HDT=482°C**
(Thermosetting Polyimide)



AURUM™ **Tg=245°C**
(Thermoplastic Polyimide)



Dexnyl© PEKK **Tg=160°C**
(Polyetherketoneketone)

Dexnyl© PEEK **Tg=145°C**
(Polyetheretherketone)



PBI, PI, TPI, PEKK and PEEK can withstand high temperatures. They are compatible with different additives. These HPPs are corrosion resistant and offer excellent tribological properties and low outgassing.

Reduced weight / thickness offers improved flexibility and cost savings.

naturally PFAS-free !

High Performance

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Finished parts are produced by various processes. Precision components made from compounded materials are machined to tolerances of just a few microns. BIEGLO collaborates with numerous converters to offer the best solution for any project, from one piece to millions.

Semi-Finished shapes can be made from natural and compounded Polymers.

We supply films, rods, sheets and tubes, enabling BIEGLO customers to manufacture parts that meet their specific requirements.



Granules & Powders and special compounds are provided to injection molders, extruders, coating companies and other thermal processing operations. We are proud to count some of the leading compounders of High Performance Polymers among our customers.

BIEGLO supplies raw materials such as powders and granules, special compounds, dispersions, and solutions, as well as semi-finished products. Through our international network of converters, we have the unique capability to also provide finished parts: injection-molded components, machined parts, laser-cut parts, coated metal and more. Compared to more widely-used polymers, our materials offer higher temperature resistance and are **PFAS-free**.