

High-performance-polymer specialist BIEGLO GmbH unveils an expanded materials line-up from Asia and USA. Most notable is the new strategic PEEK-alliance with PFLUON Advanced Materials. Other key products in the BIEGLO portfolio include Mitsui Chemicals' Aurum® thermoplastic polyimide (TPI), NOWE™ 201 wear grades, Celazole® PEEK-PBI compounds, Meldin® - thermosetting Polyimide from Saint-Gobain, recycled PEEK-grades, and Spartech's Royalite® sheet and Korad® film. Mechanical engineering remains BIEGLO's core market, while BIEGLO is continuously expanding into electrical and electronic engineering, aerospace, mobility, and defense sectors.

### Product Highlights K-2025



#### New PEEK-Partnership: BIEGLO & PFLUON

BIEGLO has entered into a non-exclusive distribution agreement with Zhejiang PFLUON Technology Co., Ltd. The cooperation combines PFLUON's expertise in PAEK-production and development capacities with BIEGLO's European distribution network, targeting the automotive, aerospace and industrial market segments.

#### Aurum® Thermoplastic Polyimide

Mitsui Chemicals' Aurum® TPI offers the highest glass-transition temperature among melt-processable polymers: Tg 245 °C. Aurum is used in mechanical applications as bearings, thrust-washers and gears. Increasingly Aurum is 'discovered' as insulation material in electrical and electronic environments as high-voltage EV-coils, busbars, or as insulation layer for medical devices. Powder- and Extrusion-coating is possible with a 100% pure Polyimide.



#### NOWE™ VC-201 (Aromatic thermosetting Copolyesters)

NOWE™ VC-201 from ATSP Innovations combines aromatic thermosetting copolyesters with high thermal stability (decomposition > 450 °C), low dielectric constant, and excellent dimensional and creep resistance. In PTFE composites, it boosts temperature performance and significantly enhances wear resistance for high-demand applications.

#### Celazole® PEEK-PBI Compounds

Celazole® T-Series blends PBIs 427 °C Tg with PEEK's melt-processability, HDT is lifted to 320 °C, boosting modulus and wear life, and remaining 100 % PFAS-free. Grades from un-filled TU-60 to carbon-fibre-reinforced TF-60C support seals, bearings and semiconductor tooling operating beyond 300 °C.



BIEGLO GmbH  
info@bieglo.com  
+49 40 401130000  
<https://www.bieglo.com/>



BARplast LLC  
info@BARplast.com  
713-344-4447  
<https://www.barplast.com/>



### **Meldin® 7000 thermoset Polyimide Series**

Meldin 7000 from Omniseal / Saint-Gobain operate continuously at 315 °C and withstand 482 °C excursions, keep dimensional change below 0.04 % after repeated cycling between 23 °C and 260 °C. Self-lubricating grades support dry-running applications under high thermal and mechanical stress, meeting aerospace and military standards like MIL-P-46198 and AMS 3644E.

### **R-PEEK Dexnyl® R-PEEK Granules**

BIEGLO closes the loop on post-industrial PEEK by collecting, cleaning and re-granulating residues into Dexnyl® R-PEEK 143G. Mechanical properties are retained after recycling, enabling cost-effective substitution of virgin PEEK in high-temp components while cutting the carbon-footprint. BIEGLO offers natural recycled PEEK grades in different viscosities and compounded recycled PEEK.



### **Spartech Sheet & Film Innovations**

The portfolio of Spartech products was merged into BIEGLO in 2025. ASP-Plastics GmbH was acquired by BIEGLO several years ago. ASP-Plastics was the official sales-channel in Europe from this large US sheet-extruder.



**Royalite®** flame-retardant PVC/ABS and PVC/Acrylic sheets meet UL, FAR 25.853 and ASTM E-84 FST requirements, offering lightweight, thermoformable solutions for aircraft interiors, battery housings and transport seating applications.

**Korad®** weatherable PMMA films laminate onto ABS, HIPS or PVC, delivering long-term UV stability, gloss control (10-85 %) and outdoor colour fidelity for recreational and building products.

**Polycast™** cast acrylic is available as sheet, tube, and rod, with special grades for bullet-resistant windows. These offer UL-rated ballistic protection, over 90% light transmission, and optional SAR™ coating for added abrasion resistance.



BIEGLO GmbH  
info@bieglo.com  
+49 40 401130000  
<https://www.bieglo.com/>



BARplast LLC  
info@BARplast.com  
713-344-4447  
<https://www.barplast.com/>

## About BIEGLO GmbH

Founded in 2011 and headquartered in Hamburg, BIEGLO is a technical distributor for high-performance polymers such as PEEK, PBI, thermosetting and thermoplastic polyimides, PAI and PEI. Through dedicated webshops, a global supplier-network and local stock, the company supplies raw materials, compounds, semi-finished in form of "Rods, Tubes, Films, Sheets" and finished parts according to the drawing across Europe.

BARplast LLC is the US subsidiary of the BIEGLO Holding, based in Texas. BARplast offers a similar portfolio as BIEGLO to demanding North- American polymer-converters.

**During K-2025 BIEGLO will host their products and suppliers in Hall 8A booth B33**



BIEGLO GmbH  
info@bieglo.com  
+49 40 401130000  
<https://www.bieglo.com/>



BARplast LLC  
info@BARplast.com  
713-344-4447  
<https://www.barplast.com/>