





## DEXNYL<sup>©</sup> Composite PEEK-CF sheet (2<sup>nd</sup>)\_40 Secondary Quality !

**Product Data Sheet** 

DEXNYL<sup>©</sup> Composite PEEK-CF is a secondary quality PEEK-carbon fibre composite sheet made of several layers of woven CF-fabric (approx. 60%) in a PEEK matrix. The sheets have small visual and physical defaults! The composite sheets can be heated above their melting temperature and then stamped in a metallic mould of a press. Excellent price-performance relation.

The sheets have excellent thermal and chemical resistance, as they are made of PEEK (approx. 40%). Other advantages are high compressive strength and superior mechanical stability and stiffness. The first quality composite sheets are not available through BIEGLO.

Product Benefits	Process Benefits
high-performance mechanical properties	thermoformable (press forming)
continuous use at elevated temperature	short cycle time
<ul> <li>low flammability, smoke and toxicity</li> </ul>	thermoplastic joining technologies
<ul> <li>resistant to chemicals and solvents</li> </ul>	cuttable by water-jet or laser
<ul> <li>room temperature storage and shipping</li> </ul>	
recyclable	

**Applications: - Fixtures** 

- Seals/Gaskets
- Door Brackets/Hinges
- Decorative Parts

Sheet dimension:	800 mm x 1200 mm
Sheet thickness:	6 plies (1,86mm) = ~2,8kg 8 plies (2,48mm) = ~3,8kg 10 plies (3,10mm) = ~4,7kg 12 plies (3,72mm) = ~5,7kg 14 plies (4,34mm) = ~6,7kg 16 plies (4,96mm) = ~7,6kg





Bahrenfelder Str. 242 22765 Hamburg +49 40 4011 30000 info@bieglo.com www.bieglo.com The specified values are established from average values of several tests and they correspond to our today's knowledge. They are only to be used as information about our products and as help for the material selection. With these values, we do not ensure specific properties, or the suitability for certain application, therefore we do not assume any legal responsibility for an improper usage. The used test pieces have been machined from extruded semi-finished material. Since the plastics properties depend on the manufacturing process, on the dimensions of the semi-finished material and on the degree of crystallinity, the actual properties of a specific product may slightly deviate from the tested ones. For information about divergent properties do not hesitate to contact us. On request we advise you regarding the most appropriate component design and the definition of material specifications more suitability, efficiency, efficacy and safety of the chosen products in pharmaceutical applications, medical devices or other end uses. Please take into consideration that the export or transfer of carbon fiber products can be subject to authorization, depending on end-use and final destination.