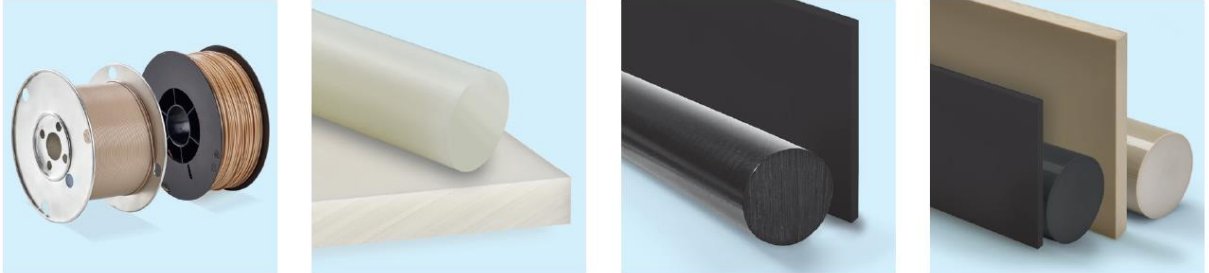


News K 2019

SEMI-FINISHED PRODUCTS

MEDI-GEHR®

Thermoplastic semi-finished products certified according to ISO 13485 for medical technology



After decades of experience as a supplier to the medical industry, it was a logical step for us to expand our range with the **MEDI-GEHR®** product line to include semi-finished products that meet the special quality and safety standards in the medical technology sector. For this purpose, our company headquarters in Mannheim and the US production site in Philadelphia were certified in 2018 and 2016 according to quality standard ISO 13485 for the production of semi-finished products. At both locations we now produce the following semi-finished products:

MEDI-GEHR PEEK MG®

MEDI-GEHR PPSU MG®

MEDI-GEHR PP MG HT® and

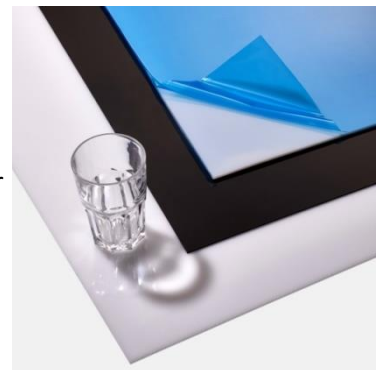
MEDI-FIL-A-GEHR PEEK MG®

All **MEDI-GEHR®** products are suitable for medical and pharmaceutical applications with direct body contact with tissue, bone, skin and mucous membrane for up to 24 hours. All raw materials used for the medical grade products are food compliant (FDA, EU 10/2011) and meet the following requirements for biocompatibility: ISO 10993-1/5/12/18 as well as USP Class VI.

CALENDERED SHEETS

New to our product range: GEHR PA 6 XT® in black and double-sided foil-coated sheets

We have extended our product range to include GEHR PA 6 XT® in colour black and double-sided foil-coated variants of GEHR POM-C® and GEHR PA 6 XT® sheets in our stock shapes. The sheets are available in natural and black colour.



GEHR POM-C® BLUE



Blue dyed semi-finished products – perfectly suited for food processing

We have expanded our range of semi-finished products made of GEHR POM-C® and now also offer blue dyed round rods and sheets. In food contact, semi-finished plastic products with a blue colour are often utilised.

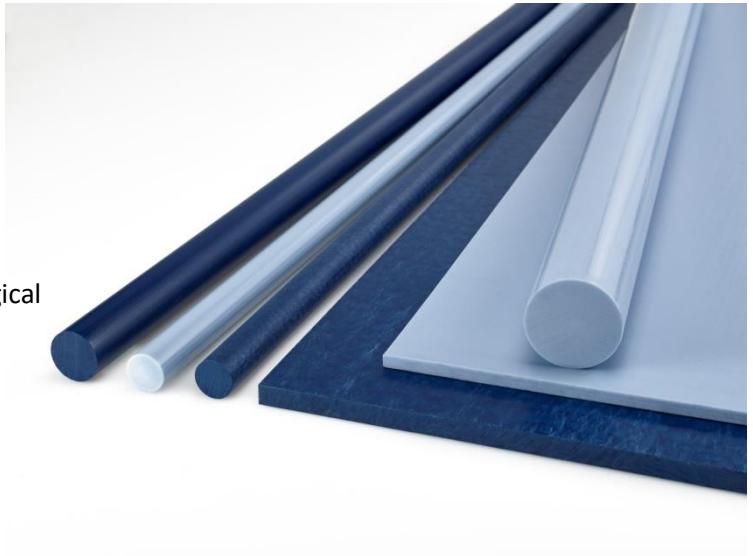
GLIDE-GEHR POM-10 PE[®] and GLIDE-GEHR POM-10 PE-TF[®]

Sliding-modified materials with excellent emergency running properties

GLIDE-GEHR POM-10PE[®] and GLIDE-GEHR POM-10PE-TF[®] belong to the group of sliding-modified plastics; their tribological behaviour (friction) has been optimized by incorporating solid lubricants.

Currently, we have the following semi-finished products with optimized tribological behaviour in stock:

- GLIDE-GEHR POM-10 PE[®]
- GLIDE-GEHR POM-10PE-TF[®]
- GLIDE-GEHR PEEK-MOD[®]
- GLIDE-GEHR PEEK-20TF[®]



GEHR PPSU[®]

Expanded range



We have expanded our GEHR PPSU[®] range with rods and sheets and have the following dimensions in black colour in stock:

Round rods: \varnothing 20 – 50 mm

Sheets: \square 20 – 50 mm

width.: 620 mm, Length: 1 m, 2 m and 3 m

GEHR PPSU[®] is an amorphous material, with improved impact and hydrolysis resistance compared to PSU and PEI. The usual operating temperature is approx. +170 °C. The extremely high notch impact

strength remains also after a heat aging.

GEHR POM-C 25 GF[®]

Glass fibre reinforced material

New to our product range is the technical material POM-C with a 25% glass fibre reinforcement. As of now, we have round rods with diameters of 30, 40, 50, 60 and 80 mm with a length of 1, 2 and 3 metres in natural and black colour available in stock.



GEHR PP-HT®

New to our product range: Round rods made of thermally optimised PP homopolymer

In the context of new technical developments we have extruded a white coloured PP-HT material, which is particularly suitable for applications in the chemical industry and for thermally demanding



GLIDE-GEHR PEEK-20TF®

New to our product range: Round rods made of sliding-modified PEEK

In response to enquiries for a material with the properties of natural-coloured PEEK but with optimised sliding properties, we developed GLIDE-GEHR PEEK-20TF®. Although PTFE additives in plastics often lead to a fibrous surface, we were able to achieve an almost shiny surface during processing.



GEHR PPA®

Product Pilot: Round rods made of high temperature resistant polyamide

We developed the product GEHR PPA® in cooperation with BASF and have already extruded round rods with a diameter of 50 mm. We will present the product at the K 2019 trade fair and check if there is a market for it.



GEHR PEEK-HT®

Product Pilot: Round rods made of a further thermally optimised PEEK

Innovation stimulates the market. One of our contributions to innovation is to extrude the new SOLVAY PEEK-HT® material, which may be used in particular in the chemical industry.