

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.

This material was developed to optimise the performance of PEEK in friction and wear applications by offering improved lubricity and reduced friction compared to standard PEEK.

It offers all the standard advantages associated with standard PEEK resins, such as high mechanical strength and rigidity, excellent thermal oxidative stability, fatigue resistance and excellent resistance to tough chemical environments. Here, it offers clear advantages over the materials PEK, PEKK or PEKEKK.

Properties:

- High chemical resistance (comparable to standard PEEK)
- Enhanced sliding properties (COF approx. 0.12)
- Reduced risk to stick/slip
- Round rods without added pigments
- Reduced abrasion
- Slightly lower mechanical strength compared to standard PEEK
- Electrically insulating



Applications:

Wherever lower coefficients of friction are required compared to standard PEEK or wherever reduced abrasion is required, which also has an electrically insulating effect.

