

## **TECAPEEK CMF**

### ***Unique Properties Through Ceramic Modification***



Workholder device made from TECAPEEK CMF. Highest dimensional stability for the closest tolerances.

The continuing reduction of component sizes in semiconductor production has placed increasing demands on materials which will satisfy these high standards. Thin walled and miniaturised components require materials with a pronounced degree of dimensional stability and excellent machinability.

With its new composite of PEEK and a technical ceramic, marketed under the name TECAPEEK CMF, ENSINGER fully complies with the exacting standards demanded by the semiconductor industry. The material's property profile is unique: due to its exceptionally low water uptake, it offers outstanding hardness and rigidity combined with excellent dimensional stability for very close tolerance. Proven and tested properties of the allrounder TECAPEEK, such as its outstanding thermal stability and good processability, have been retained.

The incorporated silicate ceramic offers a high barrier to permeation by gases and liquids; the even distribution of ceramic discs throughout the material prolong the diffusion process of liquids and gases.

TECAPEEK CMF is particularly suitable for use in semiconductor manufacture, for precision engineering and electrical engineering. Applications include test sockets and test-socket components, insulators, pressure bars and connectors.

*TECAPEEK CMF is available from ENSINGER in the form of stock rods and sheets.  
ENSINGER will be presenting TECAPEEK CMF at the K 2007 at Hall 5 on Stand 5 G 39.*

**Additional Information:**

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