

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 applications.

GEHR PP-HT[®] is a new material that has a heat deflection temperature (HDT/B=133 °C) which is approximately 40 °C higher than that of standard PP without losing its high chemical resistance. The melting point of PP HT is approximately 165 °C. It was possible to significantly enhance the mechanical properties of this homopolymeric material, which expands the field of application for the use of a polyolefin.



Properties:

- High chemical resistance, as typical of PP
- Enhanced elastic modulus (approx. 2300 MPa) and yield strength (approx. 40 MPa)
- Heat deflection temperature is approximately 40 °C higher than that of standard PP
- Raw material complies with FDA and 10/2011/EC requirements for food contact applications

Applications:

Wherever mechanical properties are required that are superior to those of standard PP or where enhanced thermal properties are indispensable and – until now – alternative solutions had to be found.