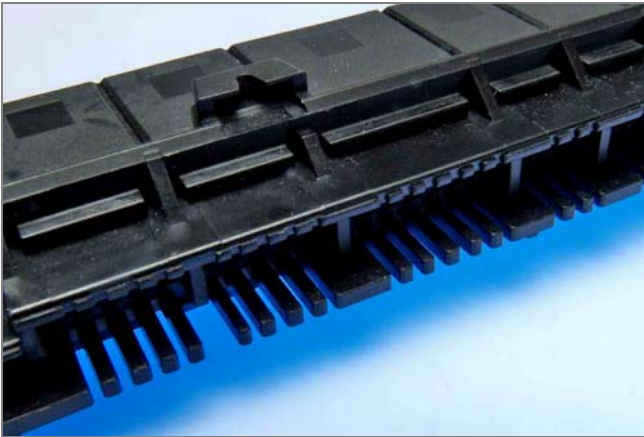


Press information TECDUR® B GF30



Plug body made of **TECDUR®**

PBT-blend for electronic components

With the PBT blend **TECDUR® B GF30** *LEIS Polytechnik polymere Werkstoffe GmbH*, Ramstein-Miesenbach, presents the most recent development for use in the area of electronic components, e.g. multipoint connectors and housing.

Under the name **TECDUR®** *LEIS Polytechnik* develops, manufactures and distributes compounds based on PBT. The new type **TECDUR® B** is intended for uses in which classical PBT with glass fibre reinforcement cannot guarantee sufficient resistance to warpage.

Current requirements for electronic components are:

- high mechanical loading capacity for low wall thickness
- low tendency to warpage
- high dimensional accuracy and dimensional stability

The new **TECDUR® B** fulfils these requirements excellently. First applications in the area of car electronics confirm this.

The particularly easily flowing **TECDUR® B** allows the injection of very long and thin components. Up till now flowpaths of up to 100mm for a wall thickness of 1.5mm have been achieved. Furthermore the tendency to the formation of ridges and webbing, in comparison to other easily flowing PBT types, has been noticeably reduced. Economic advantages are in addition cost reduction through the reduction of wall thicknesses and decreases in cycle time.

Furthermore the high rigidity and dimensional stability coupled with good impact resistance should also be emphasised. The low humidity absorption gives many advantages in processing and in the use of the ready-made parts. For international use particularly in North America there is a UL listing. Long approval procedures for the processor are here no longer necessary.

Further products with exceptional flowability are **NYLAFORCE® B50** and also **NYLAFORCE® B60** developed by *LEIS Polytechnik*. With these highly reinforced polyamides produced in the feed-up process with 50 or 60% glass fibre, flow paths of over 1 000mm have already been achieved with wall thicknesses less than 2mm. Areas of application are here first and foremost car and machine components with the highest requirements for mechanical stability, in particular for dynamic loading. **NYLAFORCE®** raw materials tolerate short-term temperatures of up to 200 °C and because of their properties profile are alternatives both to metals and also to partly aromatic polyamides.

LEIS Polytechnik polymere Werkstoffe GmbH is one of the leading manufacturers of technical high-performance plastics. You can find more detailed information on www.leis-polytechnik.de.