

Ultradur® B4440 sets new standards in flammability

PBT-I unreinforced FR (40)



Ultradur® B4440 – a new generation of outperforming FR-compounds

- Free of halogens¹⁾ and antimony
- High elongation at break
- Easy to color in light shades
- Laser-markable

Ultradur® B4440 is a quantum leap in terms of non halogenated flame retardancy

Even with thin walls optimum insulation properties and flame retardancy can be achieved. The high-performance plastic attains the highest CTI rating of 600 volts as well as the V0 classification according to UL94 as highly flame-retardant materials at wall thicknesses from 0.4 mm.

- UL94 V-0 @ 0.4 mm
- GWFI 960
- LOI 42,9
- RTI_{Elec} 155 °C & RTI_{Str} 155 °C

¹⁾ acc. EN 61249-2-47, contains small amounts of PTFE

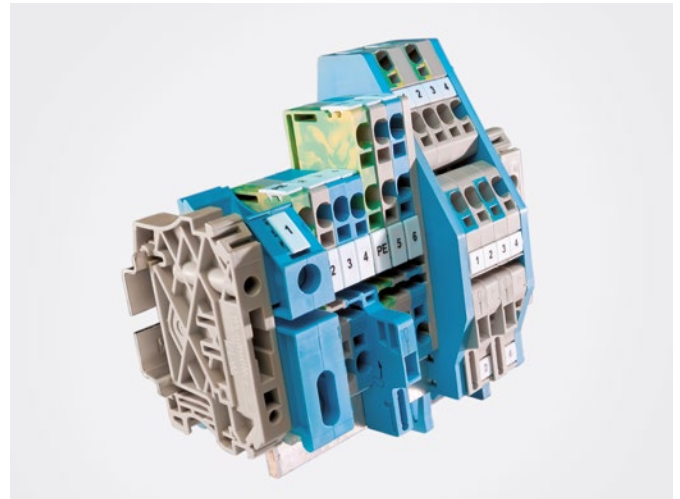


We create chemistry

Easy to process

Ultradur® B4440 is characterized by its good suitability for injection molding and can also be reliably processed by extrusion. This lays the foundations for the production of increasingly complex components. The product opens up possibilities for the use of completely new miniaturized solutions, e.g. for

- connectors
- terminal blocks
- fiber optical cables
- filaments

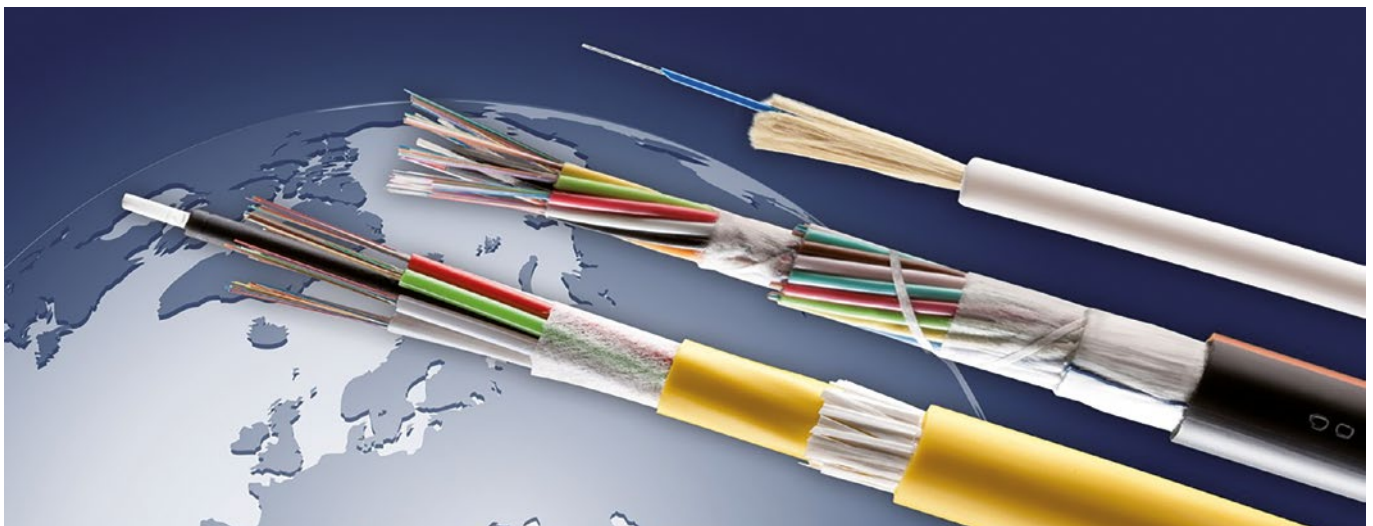


Outstanding mechanical properties

With an elongation at break of more than 20% Ultradur® also boasts high toughness. It absorbs minimal moisture.

Excellent heat ageing resistance and long term heat stability

- RTI_{Elec} 155 °C & RTI_{Str} 155 °C
- RTI_{Imp} still under evaluation



For technical queries relating to Ultradur® please contact:



Please visit our websites
www.ultradur.com
www.plastics.basf.com