

Robust connectors for automotive wire harnesses

Case Study

BASF is expanding its range of engineering plastics as the trend toward miniaturization persists for electronic components in cars: With the new Ultradur® grade B4340ZG2 High Speed (HSP) connectors will be more robust against damage such as breaks and cracks.

In applications such as wire harnesses, robust and unbreakable plug-in connectors are needed as replacing broken, individual end sections involves a great deal of work and expenditure. Specifically for this application, the new PBT grade has optimized product properties: Ultradur® B4340ZG2 HSP for thin-walled plug-in connectors combines high flowability with very good impact strength.

Ultradur® B4340ZG2 HSP also boasts excellent electrical properties. The CTI (Comparative Tracking Index, track resistance, IEC 60112) is 600 volts and therefore permits minimum distances between the conductor tracks in plug-in connectors.

Ultradur® B4340ZG2 HSP is available in commercial quantities as of now and samples can be ordered.

