News Release

Against dust and flying sparks

- **First carbon fiber-reinforced Ultradur® (PBT)**
- **Specialty with low electrostatic charge**
- **For reliable and durable components in automotive electronics and mechanical engineering**

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Dr. Ulla Biernat
Phone: +49 621 60-42241
ulla.biernat@basf.com

BASF is now adding its first carbon fiber-reinforced Ultradur® to its PBT portfolio (polybutylene terephthalate). The specialty Ultradur® B4300 C3 LS features low electrostatic charge along with good conductivity. This makes it particularly suitable for components in sensitive areas of measurement and control technology for machines and automotive electronics. Due to the anti-static PBT, less dust or dirt adheres to the component: this allows it to work reliably and permanently - even in unfavorable usage conditions – and without damages because of electrostatic discharge. In areas with explosion hazards, the use of the conductive Ultradur® grade also reduces the risk of electrostatic loading and possible sparking.

Meet us at Fakuma 2014,
Friedrichshafen,
October 14-18, 2014,
hall B4, booth 4306

BASF thus meets the increasing requirements on material and parts especially in automotive electronics. With Ultradur® B4300 C3, miniaturization, precision, and safety can be combined even better in the future: parts made of the carbon fiber-reinforced engineering plastic retain their antistatic property permanently and even after contact with media (e.g. fuels) and at high temperatures.

BASF SE
67056 Ludwigshafen
Phone: +49 621 60-0
http://www.basf.com
Communications Performance Materials
Phone: +49 621 60-42241
Fax: +49 621 60-49497
www.plasticsportal.eu

Effective immediately, Ultradur® B4300 C3 LS bk15126 is available in commercial quantities. The material, which is reinforced with 15 percent carbon fiber, has a low volume and surface resistance. It absorbs hardly any water, is laser-markable, and its good mechanical properties are similar to those of a standard PBT with 30 percent glass fibers. Furthermore, Ultradur® B4300 C3 can be easily combined with other PBT grades, e.g. by welding or bonding, and is also suitable for complex, thin-walled components.

Possible applications of the carbon fiber-reinforced PBT are parts in cars or machines with gases or fluids flowing through, fast-moving components in textile machines or conveyor belt elements that are subject to static charge due to friction. Other fields of usage include machines in paper processing, printers, and transportation packaging for sensitive electronic goods that require ESD (=electrostatic discharge) protection.

Ultradur on the internet: www.ultradur.de
If you have any technical questions, please contact the Ultraplaste Infopoint:
ultraplaste.infopoint@basf.com

About BASF's Performance Materials Division

BASF's Performance Materials division encompasses the entire material know-how of BASF regarding innovative, customized plastics under one roof. Globally active in four major industry sectors - transportation, construction, industrial applications and consumer goods – the division has a strong portfolio of products and services combined with a deep understanding of application-oriented system solutions. Key drivers of profitability and growth are close collaboration with customers and a clear focus on solutions. Strong capabilities in R&D provide the basis to come up with innovative products and applications. In 2013, the Performance Materials division achieved global sales of € 6.5 bn.

About BASF

At BASF, we create chemistry – and have been doing so for 150 years. Our portfolio ranges from chemicals, plastics, performance products and crop protection products to oil and gas. As the world's leading chemical company, we combine economic success with environmental protection and social responsibility. Through science and innovation, we enable our customers in nearly every industry to meet the current and future needs of society. Our products and solutions contribute to conserving resources, ensuring nutrition and improving quality of life. We have summed up this contribution in our corporate purpose: We create chemistry for a sustainable future. BASF had sales of about €74 billion in 2013 and over 112,000 employees as of the end of the year. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (AN). Further information on BASF is available on the Internet at www.basf.com.