

# News Release

P250/19e  
July 3, 2019

## Ultradur® – one fits all

- **Extension of PBT portfolio by Ultradur® B6551 LNI for extrusion**
- **Ultradur® B6560 M2 FC TF - The first PBT for extrusion and thermoforming**

On the occasion of this year's K fair, BASF will launch and present its new product Ultradur® B6551 LNI for extrusion and the worldwide first thermoformable PBT Ultradur® B6560 M2 FC TF. An interdisciplinary team of chemists, physicists, and engineers developed the products from lab to reality.

Both new grades combine all the well-known characteristics of the Ultradur® family like high melting point, low water uptake, high dimensional stability and good barrier properties. Though, up to now the melt strength of PBT was not sufficient to make it a preferred product for extrusion. By connecting and branching the polymer chains via tailor-made additives the experts of BASF gained a very high melt strength. This makes the Ultradur® B6551 LNI the perfect material for pipes, profiles and mandrels – and the Ultradur® B6560 M2 FC TF the material of choice for extrusion of films and thermoforming of packaging or technical parts. The excellent processability was confirmed by our innovative partner ILLIG Maschinenbau GmbH & Co. KG. The family business with its headquarters in Heilbronn/Germany is a leading global supplier of thermoforming systems and mold systems for thermoplastics.

Both grades now offer good mechanical properties, are easy to color, even foaming is possible. This outstanding property profile combined with BASF's many

years of application experience and established technical expertise make Ultradur® B6551 LNI and Ultradur® B6560 M2 FC TF strong and stable materials suitable for use in a wide range of extrusion applications across several industries. The Ultradur® of BASF is reliable concerning quality and availability. Its backward integration from the monomers to the final product offers highest safety and continuous production process. The material is produced in Schwarzheide, Germany, and is available worldwide with respect to the national regulations.



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#### **About BASF's Performance Materials division**

BASF's Performance Materials division encompasses the entire materials 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 our close collaboration with customers and a clear focus on solutions. Strong capabilities in R&D provide the basis to develop innovative products and applications. In 2018, the Performance Materials division achieved global sales of €7.65 bn. More information online: [www.plastics.basf.com](http://www.plastics.basf.com)

#### **About BASF**

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. The approximately 122,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of around €63 billion in 2018. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the U.S. Further information at [www.basf.com](http://www.basf.com).

**About ILLIG**

ILLIG is a leading global supplier of thermoforming systems and mold systems for thermoplastics. The company's product and services portfolio includes the development, design, manufacture, installation and commissioning of complex production lines and components. With the unique 360° packaging development, Pactivity®, and the high-performance packaging systems, ILLIG supplies its customers with resource-friendly and sustainable solutions. With branches and sales agencies in over 80 countries, ILLIG is locally present in all markets around the globe. For over 70 years, the family business has been serving its customers across the globe as a reliable partner for the cost-effective manufacturing of complex precision thermoplastic parts with innovative technology of unsurpassed quality and comprehensive worldwide after-sales support.

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