

# News Release



## Improved flame retardant grade for E&E applications

- **New Ultramid® grade for optimized processing and less deposits**
- **Flammability class V-0 (UL 94) at a wall thickness from 0.4 millimeters onwards**
- **Relative temperature index according to UL 746B of 150 °C**

A flame-retardant and glass fiber-reinforced polyamide (PA), the new Ultramid® A3U42G6, is now part of BASF's plastics portfolio. This light colorable grade features easy processing with reduced deposit formation and corrosivity. Thus, it increases the durability of plasticizing units and injection molds and helps reducing production stoppages due to service and maintenance.

The new material meets UL 94 requirements for the V-0 flammability class at wall thicknesses as low as 0.4 millimeters. Its thermal ageing resistance has been considerably improved over that of well-known glass fiber-filled polyamide grades. With an RTI for dielectric strength (UL 746B) of 140 °C at a wall thickness of 0.4 millimeters and even 150 °C at thicknesses starting at 0.75 millimeters, the new Ultramid A3U42G6 is especially well suited for use at higher temperatures.

The new flame retardant system shows no migration effects and thus ensures component surfaces of higher quality. It also contains no halogen or antimony components. This allows favorable smoke density and toxicity values to be attained and also complies with the WEEE and ROHS directives.

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Reinforced with 30 percent glass fibers, Ultramid A3U42G6 possesses the good mechanical properties typical of polyamides, and can be marked by laser, when colored black. This new grade is especially suitable for connectors and thermally stressed industrial automation applications such as switchgears and contactors. Effective immediately, the material is available in commercial volumes and with extensive supporting data.

Further information on Ultramid (PA) by BASF is available via email: [Ultraplaste.infopoint@basf.com](mailto:Ultraplaste.infopoint@basf.com) or via phone +49 (0) 621 60-78780.

Ultramid online: [www.ultramid.de](http://www.ultramid.de)

### **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](http://www.basf.com).