

## Press information

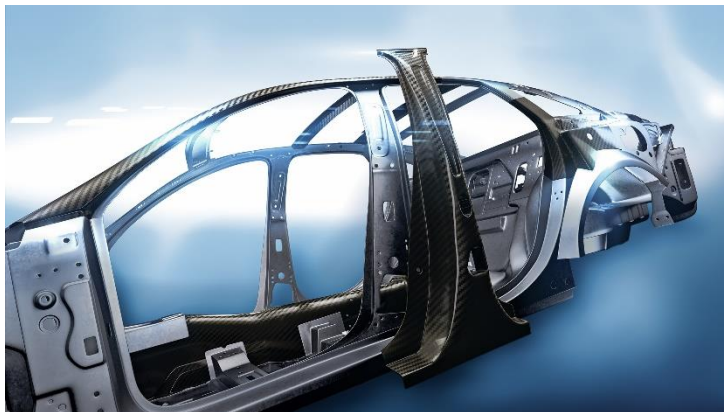
### BYK innovation makes applications lightweight, more stable and safer

- Improved physical properties in polyamide applications with BYK-MAX CT 4275
- Expansion of the BYK-MAX family for lightweight applications and higher thermal stability

Wesel/Earth City, October 1, 2022 - BYK Additives is launching [BYK-MAX CT 4275](#) to the market, a novel, specially developed additive that can be used in a wide variety of polyamides - for example in the automotive industry. The optimized surface treatment and the unique morphology of the silicate provide improved dispersion and incorporation into the thermoplastic matrix while ensuring near-perfect exfoliation in polar systems.

The highly reinforcing mechanism of [BYK-MAX CT 4275](#) improves, among other things, flexural modulus, yield strength, tensile strength and heat deflection temperature, while ensuring excellent flow behavior of the composite. This makes it possible to form thinner components and thereby reduce weight.

In mineral and glass fiber-filled thermoplastic composites, the additive enables a lower total content of mineral and glass fibers without comprising the mechanical properties; it is therefore the ideal solution for lightweight construction applications, for example in the automotive sector. In addition, [BYK-MAX CT 4275](#) will also have a positive effect on surface properties, scratch resistance and flow behavior.



*Click on the images to get the printable file of each.*

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The new additive does affect the density of the compound, thus offering weight reduction. It is highly miscible and requires no special processing steps.

The innovation will be on display for the first time at [K2022](#). Experience the new BYK-MAX family and meet our experts in person at booth Hall 5 / E17 at the world's largest plastics trade show in Düsseldorf from October 19 - 26, 2022.

Detailed information on the new BYK-MAX CT 4275 is available [here](#).

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### **BYK-MAX**

BYK-MAX additives expand the processing capabilities of plastics and thus help to improve throughput and produce more efficiently. The new BYK-MAX series includes process additives for PE, PP, PET and polyamides as well as for thermoplastic composites based on PE and PP, but also for thermoplastic compounds based on PE and PP as well as masterbatches. Our functional BYK-MAX additives optimize product properties and add value to thermoplastics. These include anti-fogging and scratch resistance, but also flame retardancy, UV resistance, nucleation and drying. They also include additives that improve the heat resistance of nylon-based polymer products used in electrical and electronic applications.

### **BYK - the additives experts**

BYK is a leading global supplier of specialty chemicals. The company's innovative additives and differentiated solutions optimize product and material properties as well as production and application processes. BYK additives improve, among other things, the scratch resistance and gloss of surfaces, the mechanical strength or the flow behavior of materials, as well as properties such as lightfastness and flame retardancy. As part of quality assurance, BYK's measuring and testing instruments are used to effectively assess the appearance and physical properties.

The company's customers include manufacturers of coatings and printing inks, plastics, adhesives and sealants, as well as cleaning agents, floor coatings and lubricants. The construction chemicals, oil and gas, and foundry industries also successfully use BYK additives.

BYK has a global network of subsidiaries and operates production sites in Germany (Wesel, Kempen, Moosburg, Schkopau), the Netherlands (Deventer, Nijverdal and Denekamp) and the UK (Widnes), in the USA (Wallingford, Chester, Gonzales, Louisville, Earth City and Pompano Beach) and in China (Tongling and Shanghai). The company is part of the ALTANA Group and employs more than 2,400 people worldwide.

This press release is also available on the Internet at [www.byk.com/press](http://www.byk.com/press)

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