

## Press release

### PFAS-free additives for continuous processes

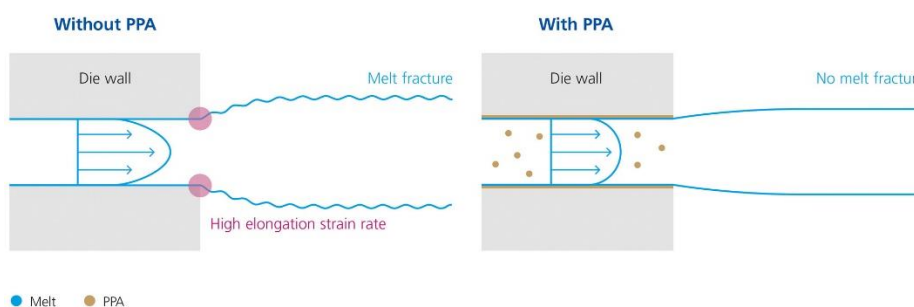
**Wesel, May 29, 2024** – Specialty chemicals manufacturer BYK is providing its customers in the thermoplastics industry with two innovative PFAS-free product solutions that master many current challenges in the production of films, pipes, profiles, fibers and much more. [BYK-MAX P 4109](#) and [BYK-MAX P 4110](#):

- prevent melt fracture,
- reduce the viscosity of the melt,
- reduce die build-up and
- allow faster material changes.

When processing polyolefins, high shear forces, temperatures and friction sometimes occur in the machines, leading to melt fracture or die build-up. In order to prevent these undesirable side effects and optimize production, fluorine-containing processing aids have often been used to date to ensure good throughput and defect-free finished parts. However, there are currently international legal initiatives to restrict the use of fluoropolymers (PFAS). BYK was quick to develop alternative additives that are PFAS-free and still have the usual positive effect on the process and result.

With [BYK-MAX P 4109](#) and [BYK-MAX P 4110](#), two new polymer processing aids (PPA) from BYK are now on the market that meet these requirements exactly: They are PFAS-free and at the same time allow a high production speed while preventing melt fracture and reducing die build-up which leads to less maintenance and therefore shorter downtimes.

#### Mode of action of BYK-MAX P 4109 and BYK-MAX P 4110 – Prevention of melt fracture



The rapid effectiveness of the two additives cuts long rinsing times and allows fast product changes. In addition, both products are thermostable and are easy to handle.

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. Among other things, BYK additives improve

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the scratch resistance and gloss of surfaces, the mechanical strength or the flow behavior of materials, as well as properties such as light resistance and flame retardancy. BYK's measuring and testing instruments are used to effectively assess the appearance and physical properties as part of quality assurance.

The company's customers include manufacturers of paints 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 branches and operates production sites in Germany (Wesel, Kempen, Schkopau, Moosburg, Geretsried), the Netherlands (Deventer, Denekamp, Nijverdal) and the UK (Widnes), in the USA (Wallingford, Chester, Columbia, Earth City, Gonzales, Louisville, Pittsford) and in China (Shanghai, Tongling).

The company is part of the ALTANA Group and employs more than 2,500 people worldwide.

You can also find this press release on the Internet at [www.byk.com/presse](http://www.byk.com/presse)

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