

Press Release

Essen, January 29, 2019

Brenntag presents with NYLAFORCE[®] dynamic B Compounds solutions for the possible substitution of PA66 by PA6

Current developments and predictions show clearly that an easing of the problem involving a "Sustainable supply of PA66" is not in sight. This year once again, the still critical market situation – lack of availability combined with continuously increasing demand and prices – with polyamide 66 will be very much on the agenda of the plastics industry.

Innovative materials and creative developers are needed to compensate for the tight resources – and thus the question of allocation – and other disruptive factors along the global PA66 process chain, and to find long-term alternatives.

Brenntag, the global market leader in chemical distribution and compound developer, has introduced two PA6-based products for the substitution of PA66. Taking account of specific differences and user needs, PA66 and PA6 have much in common and there is certainly potential for adequate substitution.

Brenntag's NYLAFORCE[®] dynamic range consists of compounds based on PA6. They have been developed specifically for demanding technical applications. The high-performance engineering polymers combine high product efficiency with very good processing properties, outstanding surface quality and universal application. Particularly impressive are the mechanical properties of the products, which are quite exceptional for highly reinforced polyamides.

For example, the tensile strength of NYLAFORCE[®] dynamic B 50, which is reinforced with 50% glass fibers, is approx. 10% above the figure for a standard PA66 GF 50, and the conditioned value is comparable. In the tensile test, NYLAFORCE[®] dynamic B 60, because of its higher glass fiber content of 60%, has even better mechanical properties, also at higher temperatures.

NYLAFORCE[®] dynamic B compounds also boast a broad processing window and high dimensional stability. All these properties make the materials a very good alternative to PA66 for applications and components in automotive, building and construction, E&E etc.

On principle, other polymers apart from PA6 such as PPS or PBT are also suitable for modification. Brenntag works with a wide selection of base polymers, additives, fillers and reinforcing materials, and, adopting a user-oriented approach, develops customized compounds.

Further information on Brenntag compounds can be found at <https://www.brenntag.com/germany/en/solutions/industries/material-science/polymers/products/index.jsp>

Brenntag Polymers will be represented at the Kuteno in Hall 2 / Stand E 13 from May 7-9, <https://www.kuteno.de>.

About Brenntag Polymers:

Brenntag Polymers develops, produces and markets compounds in engineering plastics and high-performance polymers and is a product development partner for customer-specific material solutions. In addition to our distribution range for products from other leading manufacturers and brands, our customers also have some 700 products at their disposal that we have developed ourselves. Our support extends from product development, via application and processing consultancy, right through to readiness for the market. Working in close cooperation with our customers, we develop individual materials that are precisely tailored to their subsequent use. We have specialist know-how in the fields of metal substitution, thermally conductive compounds, drinking water and food-compatible compounds, and detectable and tribologically optimised compounds. Our plastics are individually adjustable and have proved successful for numerous applications in a wide range of sectors, including the automotive and E&E segments, lighting applications, architecture, building and construction, sport and leisure, industry, medicine, etc.

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About Brenntag GmbH:

Brenntag GmbH is the German subsidiary of the Brenntag Group, the global market leader in chemicals distribution. The company employs around 1,200 at 16 locations in Germany, providing both all-in solutions and individual chemical products. Our range of products and services includes more than 10,000 industrial and speciality chemicals as well as numerous services, such as just-in-time deliveries, mixes and formulations, repackaging, inventory management and application technology.

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