

New vulcanization accelerator from LANXESS

- **Universally suitable for all types of rubber**
- **Uniform vulcanization result, even for multi-layered items and complex geometries**
- **Sufficient time for full cross-linking, even at high temperatures**

Cologne – The specialty chemicals company LANXESS has developed a universally suitable vulcanization accelerator for tires and technical rubber goods. The trial product VP Vulkacit TZ, a sulfenamide based on aromatic amines, is suitable for all types of rubber. “We are now inviting our industrial customers to try our new high-performance VP Vulkacit TZ for themselves. We are already producing pilot-scale samples,” says Dr. Jens-Hendrik Fischer, who is responsible for the global antioxidants and accelerators business in the Advanced Industrial Intermediates (All) business unit. At K 2019, the international trade show for plastics and rubber taking place in Düsseldorf from October 16 to 23, LANXESS will be showcasing the new accelerator for the first time.

Specific product properties facilitate production

The trial product has an impressively long scorch time. “There is no premature onset of the vulcanization process for the rubber, which has to pass through pipelines in the mixing process, and consequently it does not stick to sections of the production plant. This particular property of our VP Vulkacit trial product thus ensures a smooth production process and homogeneous cross-linking, which means that the structure can cure evenly,” explains Melanie Wiedemeier-Jarad, Technical Service Manager for the All Antioxidants & Accelerators (AXX) unit.

For all mixtures produced using a sulfenamide vulcanization accelerator, the cure times tend to be short in relation to the scorch times – making this group of accelerators suitable not only for press

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heating, but also for injection and transfer molding processes, which are used primarily for complex geometries.

You can find detailed information on accelerators at <http://advancedindustrialintermediates.com/products-applications/product-groups/accelerators/>.

LANXESS is a leading specialty chemicals company with sales of EUR 7.2 billion in 2018. The company currently has about 15,400 employees in 33 countries and is represented at 60 production sites worldwide. The core business of LANXESS is the development, manufacturing and marketing of chemical intermediates, additives, specialty chemicals and plastics. LANXESS is listed in the leading sustainability indices Dow Jones Sustainability Index (DJSI World and Europe) and FTSE4Good.

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You can find further information concerning LANXESS chemistry in our WebMagazine at <http://webmagazine.lanxess.com>.

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Image



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Photo: LANXESS AG

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