



VULKOLLAN®

DAS HOCHLEISTUNGS-ELASTOMER

What is Vulkollan®?

Vulkollan® is one of the oldest polyurethane elastomers on the market. A combination of excellent properties. Available as a compact elastomer in a hardness range from 65-95 Shore A and in a range of density from around 300 to 850 kg/m³ as a microcellular elastomer.

High dynamic load capacity



Vulkollan® is highly resistant to dynamic load. Due to the low dampening effect, Vulkollan® does not build up heat under dynamic stress. This enables a clearly increased efficiency of many machines, plants and vehicles. Application areas with low deformation such as rotor bearings in spinning machines allow high speeds. However, application areas with low speeds enable high stress such as forklift trucks.

For dynamically stressed applications, damping, temperature stability of the properties and the high standard of the properties in general are key factors since elastomers in dynamically loading application warm up due to self-heating.

High mechanic load capacity

The mechanic properties achieve very good scores over the whole range from tensile strength, tear propagation resistance and permanent deformation to abrasion and elasticity. A chain is only strong, when all its links are equally durable, this is why Vulkollan® is especially efficient, since it only exhibits excellent properties. What is decisive, is that several advantages of properties interact to create a significant product advantage. The combination of very good properties leads to a superiority in practical application.

Made from Desmodur 15

The isocyanate NDI is the key component, which, in combination with polyols, raises the level of the elastomer's properties above other elastic materials. It is therefore decisive for the high reputation, which is enjoyed by Vulkollan® in many sectors.

Vulkollan® – established in many application areas

Vulkollan® is used for many applications such as highly stressed wheels and rolls, heavy-duty wheels, driving wheels, solid-rubber wheels and coatings for rollers. Vulkollan® convinces with a high resilience, resistance to abrasion and an accordingly high service life and reduced maintenance costs.

Vulkollan® can also be found in other application areas such as the production of highly stressed coupling hubs, springs, bump stops, cutting strips, die-cutting rings, plates, bars, tubes, moulded parts and other extensive coatings.

For the worldwide application of Vulkollan® we also offer options which are resistant to hydrolysis.

We would like to produce your products using Vulkollan®. Please contact us for further information!

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