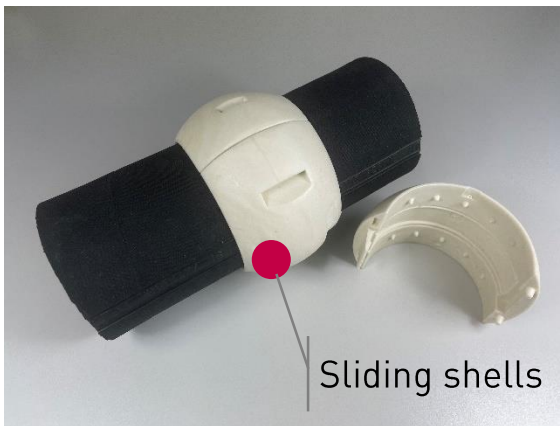


Customized
to the
Requirements

LUVOCOM® LFT for optimized handling of hoses

Case Study: Sliding shells as wear protection and for ergonomic handling in the industrial environment and for tankers



- Outstanding impact strength also at low temperatures
- High strength
- Reduced friction
- Customized colors

In industrial and commercial operations, the conveying of liquids and solids through hose lines is daily practice. Liquids, powdered and granulated substances are conveyed from storage facilities to tankers and vice versa. The filling of heating oil tanks in the commercial and private environment is visible to practically everyone when a tanker truck is parked in front of a house. Handling heavy hoses can be a challenge.

The operating personnel face the challenge of moving the heavy hoses, some of which are already full, over long distances. For example, the distances from tankers, which have to be parked on the street, to heating oil filler necks are so long that hose extensions sometimes have to be used.

Depending on their diameter, the rubber hoses commonly used for conveying liquids and solids can be very heavy. In addition, depending on the surface of the ground, there is considerable friction between the hose and the ground. It sometimes requires considerable effort to manually move the hose over the ground. Another negative aspect, due to the high friction when pulling the hose over the ground, hoses wear out faster. To prevent both, so-called sliding shells are used. These are fitted around the hose without the aid of tools and other assembly parts (e.g. screws). Due to the very low coefficient of friction between the shell material used and a rough asphalt or pavement surface, a hose can be moved much more easily by hand.

The specially modified LUVOCOM LFT PA66-LGF for this application area is characterized by a very high wear resistance. The material is also ideally equipped for use in cold winter conditions or in very cold areas. The PA66-LGF is characterized by a very high impact strength - even in the cold. An important performance feature of long fiber reinforced materials!

A very efficient technique to protect the material and to maintain the performance and health of the handling staff.

About LEHVOSS

The LEHVOSS Group under the management of Lehmann&Voss&Co. is a group of companies in the chemicals sector that develops, produces and markets chemical and mineral specialities for various industrial clients. Lehmann&Voss&Co., Hamburg, was founded in 1894 as a trading company. Since that time, the owner-run company has evolved into a powerful global organization – with long-standing connections to prominent, mainly foreign suppliers and with its own production sites in Europe, the USA and Asia.

The Customized Polymer Materials (CPM) division has been a partner to industry since 1984 in terms of material development, production and support, from design to part production. LUVOCOM® LFT is one of the high-performing product lines. LFT stands for long fiber reinforced thermoplastics. LEHVOSS offers customized solutions for challenging applications that are unique and stand out in the market.



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