

Fire-retardant polymer bar stock for railway technology from igus

Wear-resistant iglidur RW370 bar stock for maintenance-free special solutions in railway vehicles

Appropriate materials are needed to prevent fires in trains and trams. For exactly such cases, igus offers the special material iglidur RW370 not only in the form of plain bearings in its product range, but now also as a lubricant- and maintenance-free bar stock for the production of special solutions. This wear-resistant material complies with the fire protection standard EN 45545.

With the high-performance iglidur RW370, igus has a bearing material suitable for applications in trains and trams. It features high wear resistance and low coefficients of friction in dry running. The proven material is very hard-wearing and lubrication-free. Another important advantage of the material: It meets the fire protection standard EN 45545 required for materials used in railway technology. For the production of customised special solutions, igus now offers iglidur RW370 as bar stock and sheet in different sizes and thicknesses, so the designer has the opportunity to design shapes freely. The maintenance-free bar stock can be used on the bogie or in couplings of trains and trams, for example. Here they allow the carriage to slide onto the bogie and pivot the coupling in the event of lateral misalignment of the rails or cornering.

Wear-resistant special profiles manufactured quickly

In addition to special parts made of bar stock, igus can also produce special profiles of different shapes from iglidur RW370. These can be used for guiding train or tram doors, for example. In this application, the material plays other special functions: Compared to metal profiles, it reduces weight and is also quieter in operation. In addition, special profiles can save costs compared to other production processes by reducing rework and material scrap. igus will demonstrate how the new bar stock material behaves in operation from 18th to 21st September at InnoTrans in Berlin in Hall 12, Stand 106. Visitors to the stand will see a demonstration of a typical door system using the new high-performance polymer material.

Caption:



Picture PM5018-1

With bar stock and sheet made from the highly wear-resistant iglidur RW370, special shapes can be produced easily for use in trains. These include special plain bearings or even profiles. (Source: igus GmbH)

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ABOUT IGUS:

igus GmbH is a globally leading manufacturer of energy chain systems and polymer plain bearings. The Cologne-based family business has offices in 35 countries and employs around 4,150 people around the world. In 2018, igus generated a turnover of 748 million euros with motion plastics, plastic components for moving applications. igus operates the largest test laboratories and factories in its sector to offer customers quick turnaround times on innovative products and solutions tailored to their needs.

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