

No lubricant, no bacteria: New material from igus for medical technology

iglidur AB for antibacterial bearings allows sterile application in medical and laboratory technology

igus has developed the new plain bearing material iglidur AB specifically for the medical and laboratory technology. Antibacterial plain bearings made of this material will help to reduce contamination. At the same time plain bearings made of iglidur AB – like all iglidur materials – are lubrication and maintenance-free. Besides other solutions for medical technology, the motion plastics specialist igus is presenting this technology at the 2015 Compamed in Hall 08b, Stand A20.

Lubrication-free, media-resistant, non-magnetic, corrosion-free - these are decisive criteria for components in medical technology. From pick & place equipment in the laboratory to mechanical joints on patient furniture, the application areas are very diverse in this industry for products in motion. However, antibacterial components are also becoming increasingly important for devices and machines. The motion plastics specialist igus has developed the new material iglidur AB specifically for antibacterial plain bearings, which will be presented to a professional audience at Compamed. According to the test results for antimicrobial efficacy according to ISO 22196: 2011 (the measurement of antibacterial activity on plastics and other non-porous surfaces) the bearings made of the new material help to reduce the bacterial contamination for users or patients. Like all products from igus, the iglidur AB plain bearings also operate completely without external lubricant. "That brings two advantages to the medical and laboratory technology," explains Ulf Hottung, industry manager for medical technology at igus. "On the one hand there is no risk of contamination by oil or grease. On the other hand machinery and equipment can be cleaned safely, without the risk of washing away lubricants."

Antibacterial plain bearings available from stock

It is also important for the cleaning of machinery or equipment, especially in the medical technology, that the components are resistant to media. The new iglidur AB plain bearings have a good resistance to chemicals, which is why the contact with aggressive cleaning agents is also not a problem. The plain bearings made of the new material are already available from stock at igus in six different dimensions. A continuous application temperature range of -40 to +70 degrees Celsius is possible with plain bearings made of iglidur AB.

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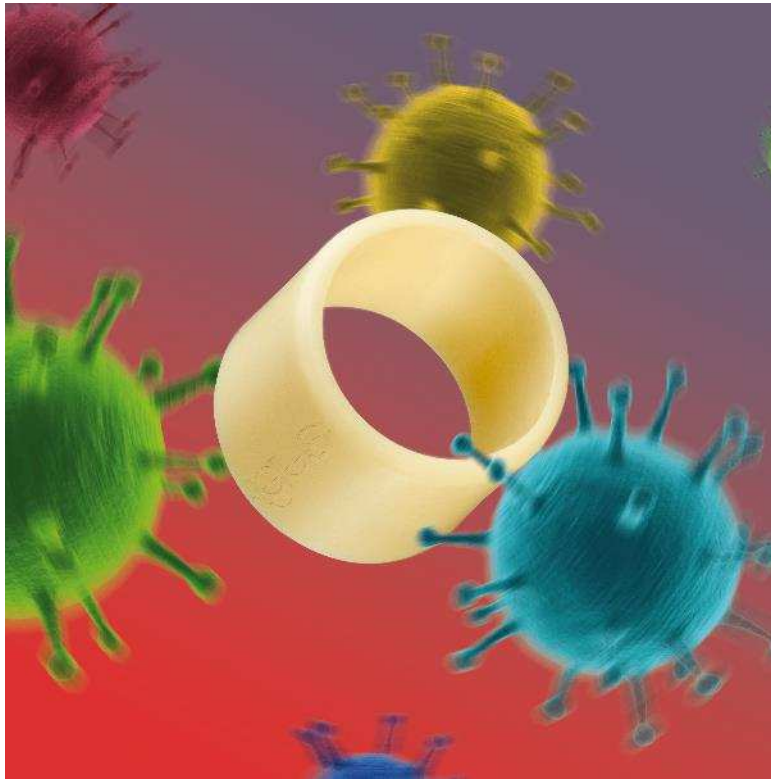
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ABOUT IGUS:

igus GmbH is a globally leading manufacturer of energy chain systems and polymer plain bearings. The Cologne-based family business has offices in 36 countries and employs around 2,700 people around the world. In 2014, igus generated a turnover of 469 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.

The terms 'igus, e-ketten, e-kettensysteme, chainflex, readycable, easychain, e-chain, e-chainsystems, energy chain, energy chain system, flizz, readychain, robolink, pikchain, triflex, twisterchain, invis, drylin, iglidur, igubal, xiros, xirodur, plastics for longer life, CFRIP, dryspin, manus and vector' are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.

Caption



Picture PM5215-1

Plain bearings made of the new material iglidur AB help to reduce the bacterial contamination for users or patients. (Source: igus GmbH)