

Clean guidance: New igus liner with FDA and EU conformity for linear systems

The company igus is expanding its range of liners with the FDA and EU-compliant high-performance plastic iglidur A160

Linear guide systems from igus ensure the precise and quick adjustment of machines in the food and beverage industry. Integrated, maintenance-free and wear-resistant liners used in the carriages enable the linear guides to glide without lubrication. The company igus has now developed an FDA and EU-compliant liner made from the high-performance plastic iglidur A160, which is particularly suitable for the special hygienic requirements of the food industry. It is particularly characterised by its long service life on FDA and EU-compliant stainless steel shafts and in wet areas.

Clean, lubrication-free and corrosion-resistant: these are requirements in the food industry for the installed machine elements. This increasingly makes maintenance-free plastic solutions the right choice. Lubrication-free linear guide systems from igus are already used in numerous applications in the food and packaging industry due to their wide range of performance, be it in beverage filling systems or in the bottle processing industry. Liners made of high-performance plastics ensure a smooth and clean adjustment. Especially for applications in the food industry, users can now rely on hygienic linear guides thanks to the new lubrication-free linear plain bearings made of iglidur A160. The blue material complies with the FDA and EU Regulation 10/2011 EC and is therefore suited for the special requirements of the food industry. The iglidur A160 has a high and online-calculable service life on stainless steel shafts, even in wet areas. The high-performance plastic is also characterised by its high media resistance. Another advantage: the liner is impervious to contamination thanks to the integrated dirt channels, and is easy to clean and replace. The new linear bearing component is currently available in eight dimensions for all drylin W housing bearings and carriages as well as for all drylin R round guides.

Tested wear resistance on stainless steel shafts

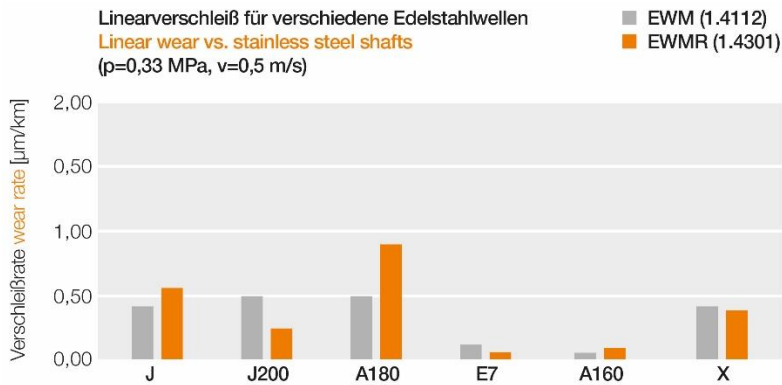
In the company's own 2,750 square-metre test laboratory, igus has tested the new liner on various stainless steel shafts vis-a-vis plastic liners that are already in the igus range made of iglidur J200, iglidur J, iglidur A180, iglidur E7 and iglidur X. The iglidur J200 is an established standard material on aluminium shafts, while iglidur J is suitable for all shaft surfaces. For users who rely on drylin linear systems with steel shafts, igus has, with the iglidur E7, an endurance runner in its product range, while the use of iglidur X liners is particularly suitable for applications requiring high temperature resistance and high chemical resistance. The wear test clearly showed that the new iglidur A160 liner has the best wear values on various stainless steel shafts. Therefore, the new liner is an ideal sliding partner for stainless steel linear guides used in the food industry.

Image captions:



Picture PM1518-1

Approved for food contact: The new liner made of iglidur A160 from igus.
(Source: igus GmbH)



Picture PM1518-2

The wear test in the in-house igus test laboratory demonstrates that the liner made of iglidur A160 is the optimum sliding partner for stainless steel shafts. (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 3,800 people around the world. In 2017, igus generated a turnover of 690 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", "chainflex", "CFRIP", "conprotect", "CTD", "drylin", "dry-tech", "dryspin", "easy chain", "e-chain", "e-chain-systems", "e-ketten", "e-kettensysteme", "e-skin", "flizz", "iglide", "iglidur", "igubal", "manus", "motion plastics", "pikchain", "readychain", "readycable", "speedigus", "triflex", "plastics for longer life", "roboLink", and "xiros" are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.