



## **High-performance plastic material for continuous steam exposure**

**The new iglide HSD350 material from igus offers a low-cost alternative to metallic options for use in steam sterilization and autoclaving.**

In applications that require autoclaving to kill bacteria, steam pressure and high heat can create a range of problems and special considerations for components. For metallic bearings, the high heat and steam used in the autoclaving process requires special lubrication; however, sterilization can be limited by use of these lubricants. To resolve this important issue in the production of food products and pharmaceuticals, as well as in the cleaning of medical tools, igus has developed a new, self-lubricating bearing material, resistant to steam, pressure, and moisture.

The new iglide HSD350 material is suitable for continuous use in hygienic conditions, even with regular sterilization. The material is able to withstand continuous temperatures of 356° F, with temporary exposure to temperatures as high as 410°. Low moisture absorption and thermal expansion makes the material ideal for use in steam chambers and autoclaves, providing bearings and joints which allow for high levels of sterilization, even in complex, non-separable units.

### **About igus®**

igus® develops industry-leading Energy Chain® cable carriers, Chainflex® Motion Cables, DryLin® linear bearings and linear guides, iglide® plastic bushings, and igubal® spherical bearings. These seemingly unrelated products are linked together through a belief in making functionally advanced, yet affordable plastic components and assemblies. With plastic bearing experience since 1964, cable carrier experience since 1971 and Motion Cables since 1989, igus provides the right solution from over 100,000 products available from stock. No minimum order required. For more information, contact igus at 1-800-521-2747 or visit [www.igus.com](http://www.igus.com).

**Captions:**



**Picture PR-2416-01, igus Inc.**

The iglide HSD350 material is a self-lubricating alternative to metallic bearings for use in steam sterilization and autoclaving.

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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 2,950 people around the world. In 2015, igus generated a turnover of 552 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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