

RoHS Compliance going into the future

High performance plastics meet EU standards and allow for predictability

East Providence, Rhode Island, July 22, 2014 – Since 2006, the RoHS (Restriction of the use of Hazardous Substances), has steadily tightened guidelines set to limit the values of industrially-necessary, yet potentially harmful substances, including lead, hexavalent chromium, mercury, polybrominated biphenyls, polybrominated diphenyl ethers and cadmium in the manufacture of electronics and electrical equipment. With new RoHS II Standards going into effect July 22, a maximum value of 0.1% of the total product weight is allowed for most of these substances, the exception being cadmium, which will be limited to 0.01%. These standards are similar to regulations that are also in effect in countries such as Germany, Japan, and China, so meeting these material standards is becoming of global importance for manufacturers. Though widely used in a vast array of applications, many metal composite ball bearings contain alloys that are not compatible to these new standards.

Customers that need to adhere to RoHS Compliance Standards can turn to iglide plastic bearings in place of metal alloys. All substances covered by the new RoHS standards are absent from iglide composite plastic materials. Instead, all iglide bearings are comprised of non-metallic, RoHS-compliant materials.

Plan for compliance with amendment-safe iglide bearings

The provisions of this new RoHS initiative are subject to permanent review, meaning future revisions of the legal requirements of the new standards are apt to change. Manufacturers can use iglide bearings today, and know that they will stand up to RoHS requirements now, and in the future. In addition to the traditional igus benefits of self-lubricating, maintenance-free components, igus products are also always free from dangerous substances. The full line of iglide bearings is reliably not only in terms of legislature, but also due to igus' reliable lifetime calculator and product configuration tools, which can be used quickly replace metal with RoHS compliant iglide alternatives.

About igus®

igus® develops industry-leading Energy Chain® cable carriers, Chainflex® continuous-flex 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 continuous-flex cable since 1989, igus provides the right solution from over 80,000 products available from stock. No minimum order required. For more information, contact igus at 1-800-521-2747 or visit www.igus.com.

Captions:

Picture 101513-01, igus Inc.

iglide® bearings are compliant by RoHS standards now and going into the future.

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