**Press Release**   **For immediate release**

**Trelleborg Launches High-Temperature Seal to Increase Productivity in Semiconductor Subfab Applications**

Trelleborg Sealing Solutions launches its Isolast® K-Fab™ Seal designed to provide long-term sealing and increased productivity in high-temperature semiconductor subfab applications. The Isolast® K-Fab™ Seal provides an alternative flange sealing solution to a traditional O-Ring, to prevent premature failure in extreme temperatures and aggressive chemical environments.

Chris Busby, Segment Director, Semiconductor and Product Line Director, O-Rings and Engineered Molded Parts at Trelleborg Sealing Solutions, says: “The Isolast® K-Fab™ Seal is resistant to both extreme temperatures and the complex chemistries found in critical subfab environments that can be extremely destructive to the elastomer seals in flanges. The unique design includes a retained seal feature that ensures the seal is easy to retrofit into NW/KF/ISO vacuum fittings. Assembly of the flange is also made considerably easier by the design of the elastomer element that results in a puzzle-shaped connection to the flange insert. Overall, this contributes to significantly less unexpected downtime and lower cost of ownership.”

Formulated from perfluoroelastomer (FFKM), a custom seal geometry utilizes significantly less rubber to eliminate overfill and extrusion, resulting in improved thermal properties, and elimination of thermal expansion and groove overfill. The seal geometry can withstand misalignment of the flange when compared to an O-Ring, for easy assembly. This optimal seal design increases performance, especially with varying pressure or vacuum conditions for increased service life and overall lower cost of ownership.

The Isolast® K-Fab™ Seal is temperature resistant for use up to +325 °C / +617 °F dependent on the material selection. Flexible use of elastomer materials is intended to lower the overall cost of ownership by matching the material performance with application. Suitable for combination with both aluminum or stainless steel, the Isolast® K-Fab™ Flange Seal can be manufactured from a range of elastomer materials including Isolast® FFKM, Isolast® PureFab™ FFKM for ultra-high purity, FKM and PureFab™ FKM.

To view a technical webinar on Isolast® K-Fab™ seals, go to: <https://www.trelleborg.com/en/seals/resources/technical-library/webinars/webinar-kfab>

**-ENDS-**

**For more information, please contact:**
Sophie Hudson
Tel: +44 (0) 7817 093930
Email: sophie.hudson@trelleborg.com

**About Trelleborg Sealing Solutions and Trelleborg Group**

***Trelleborg Sealing Solutions*** *is one of the world’s leading developers, manufacturers and suppliers of precision seals, bearings and custom-molded polymer components. It focuses on meeting the most demanding needs of aerospace, automotive and general industrial customers. Its network extends to over 25 production facilities and more than 50 Customer Solution Centers globally. The business area accelerates the progress of its customers through outstanding local support, an unrivalled product range including patented products and proprietary materials, a portfolio of established brands, unique process offerings, its ServicePLUS value chain solution and ‘Ease of Doing Business’ philosophy.*[*www.trelleborg.com*](http://www.trelleborg.com)*/seals*

***Trelleborg*** *is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way. The Trelleborg Group has annual sales of about SEK 34 billion (EUR 3.34 billion, USD 3.95 billion) and operations in about 50 countries. The Group comprises three business areas: Trelleborg Industrial Solutions, Trelleborg Sealing Solutions and Trelleborg Wheel Systems. The Trelleborg share has been listed on the Stock Exchange since 1964 and is listed on Nasdaq Stockholm, Large Cap.* [*www.trelleborg.com*](http://www.trelleborg.com)*.*