



*For immediate release*

## **New Perlast Perfluoroelastomer Gets Physical**

### **Raising the standard for Perfluoroelastomer seal mechanical performance in semiconductor equipment**

Perlast Limited has raised the mechanical performance standard for perfluoroelastomer seals in semiconductor equipment with the announcement of Perlast G75H. The white perfluoroelastomer brings the elastomer's mechanical performance in line with more widely used fluoroelastomer but with greater temperature and chemical resistance to aggressive cleaning agents.

Perlast G75H allows semiconductor equipment manufacturers and service engineers to switch from fluoroelastomers to Perlast G75H seals for longer preventative maintenance service intervals and thus increased production up-time.

The 80 Shore perfluoroelastomer has a typical compression set of 18%, tensile strength of 18.1 MPa, elongation at break of 220% and can be used in applications within the temperature range -15°C to +320°C.

Perlast G75H also features a novel reinforcement system with ultra-low metal ion content to give minimum particle generation and excellent resistance to oxygen and fluorine based plasmas. Unlike other white perfluoroelastomer seals, Perlast G75H grade has excellent low out-gassing performance making it ideal for plasma and gas deposition applications including ashing, etching, HDPCVD, PECVD and SAVCD.

"Perlast G75H opens up many exciting opportunities for semiconductor equipment manufacturers. For the first time they have an effective replacement for fluoroelastomers that allows them to offer their customers far higher productivity than has been previously possible," says David Holt, international business manager, Perlast Limited.