

New generation of brazing filler metals delivers more cost-efficient brazing for industry

Höganäs AB has launched a new brazing filler metal, BrazeLet™ F300, for high-temperature brazing of stainless steel applications used in extreme environments. The iron-chromium-based product is the first in a new generation of brazing filler metals. BrazeLet™ F300 is a more cost-efficient brazing filler metal than the nickel-based brazing alloys that are commonly used today.

BrazeLet™ F300 also provides a number of property-related benefits. The brazing filler metal has excellent flow properties, which means optimally filled joints and leak-free results. Corrosion-resistance properties and joint strength are comparable with the best nickel-based brazing alloys, which makes BrazeLet™ F300 suitable for use in applications for extreme environments. In addition, the brazed joint's composition is similar to that of stainless steel, enabling a more homogenous application.

"Due to the unique patent-pending iron-chromium alloy, we have succeeded in creating a brazing filler metal that utilizes iron's positive effects, while also retaining the important corrosion resistance and strength properties that are found in nickel-based brazing alloys," says Rose-Marie Yttergren, manager of the Brazing market segment at Höganäs AB.

BrazeLet™ F300 has been developed in close cooperation with customers to ensure that it meets their requirements for brazing properties and finished component characteristics.

"We see considerable potential in several sectors, such as heat exchangers for the automotive industry and in industrial applications. Exhaust emission control systems for diesel engines is also an interesting market for us, not least because requirements for emission control are being continuously tightened up, most recently with EU directive Euro 5 and in the USA, US 07," concludes Rose Marie Yttergren.

BrazeLet™ F300 is available for delivery in all of Höganäs AB's markets.

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Höganäs AB is the world's leading producer of iron and non-ferrous metal powders. The company has developed deep application competence based on a strong vision of powder's possibilities to enhance efficiency and reduce resource consumption and environmental impact in a number of areas. In cooperation with its customers, Höganäs can thus contribute in a wide range of applications such as the creation of future automotive components and white goods, and in water treatment and emission control.

The company, which was established in 1797, reported net sales of MSEK 6 103 for 2008 and is listed on Nasdaq OMX Stockholm's Mid Cap segment.

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