

PRESS RELEASE

Number 36

K 2010

WACKER Introduces New Silicone Fluid POWERSIL® Fluid TR20

Munich, June 14, 2010 – WACKER, the Munich-based chemical company, will present a new insulating fluid for high-performance transformers at the 18th International Trade Fair for Plastics and Rubber (K 2010). The silicone-based product, newly marketed under the brand name, POWERSIL® Fluid TR20, is suitable for cooling and insulating high-quality electrical machinery because it retains its low viscosity over a wide temperature range. K 2010 will take place from October 27 to November 3 in Düsseldorf, Germany.

Transformers produce a lot of heat when in operation. As heat-transfer media, coolants are indispensable for dissipating this energy. For many years now, WACKER has offered silicone-based insulating fluids with exceptional oxidation resistance and thermal stability for this purpose.

The latest product from the WACKER laboratories is POWERSIL® Fluid TR20. The insulating fluid has a very low viscosity of 20 mm² per second. With a flashpoint of 240 °C and ignition point of 270 °C, it has properties that guarantee its reliability when used in electrical machinery, including power generators.

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In addition, the fluid has an extraordinary cold start capability. Its pour point is below -50°C which is a decisive advantage when applied to wind turbines. And since POWERSIL® Fluid TR20 has such low viscosity even at low temperatures, the transformer will always be in working order.

Furthermore, the new silicone fluid is extremely resistant to oxidation, giving electrical machinery a significantly longer service life.

POWERSIL® Fluid TR20 also lends itself to all other applications that must cope with a high energy density and where huge amounts of heat must be dissipated rapidly. The insulating fluid is also ideally suited to face the challenges of electrical mobility.

Visit WACKER at K 2010 in Düsseldorf. You'll find us in Hall 06, Booth A10.

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Testing POWERSIL® Fluid TR20. The newly developed insulating fluid has a very low viscosity and excellent cold start capabilities. This guarantees reliability when used in electrical machinery, including power generators. (Photo: Wacker Chemie AG)



At K 2010, WACKER, the Munich based chemical company, will present the new silicone fluid POWERSIL® Fluid TR20. The low viscosity fluid is suitable for cooling and insulating high-performance electrical machinery. (Photo: Wacker Chemie AG)

Note:

These photos are available for download at:

<http://www.wacker.com/pressreleases>

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The company in brief:

WACKER is a globally-active chemical company with some 15,600 employees and annual sales of around €3.78 billion (2009). WACKER has 26 production sites and over 100 sales offices worldwide.

WACKER SILICONES

Silicone fluids, emulsions, rubber and resins; silanes; pyrogenic silicas; thermoplastic silicone elastomers

WACKER POLYMERS

Polyvinyl acetate and vinyl acetate copolymers in the form of dispersible polymer powders, dispersions and solid resins used as binders for construction chemicals, coatings, adhesives, paints, plasters and nonwovens

WACKER BIOSOLUTIONS

Biotech products such as cyclodextrins, cysteine and biologics, as well as fine chemicals and PVAc solid resins

WACKER POLYSILICON

Polysilicon for the semiconductor and photovoltaics industries

Siltronic

Hyperpure silicon wafers and monocrystals for semiconductor devices