

# PRESS RELEASE

Number 66

## COMPAMED 2017

### WACKER Presents Non-Postcuring Liquid Silicone Rubber for Medical Applications

**Munich, November 13, 2017 – At COMPAMED, the international tradeshow for the medical supplier industry, Munich-based chemical group WACKER will be showcasing its new ELASTOSIL® LR 5040 line of liquid silicone rubber grades. These silicone products fulfill the stringent regulatory requirements that apply to silicone articles in many medical-technology applications. Cured rubber products made of ELASTOSIL® LR 5040 feature excellent mechanical properties, even without thermal post-treatment, and contain very few volatile substances. This allows manufacturers to eliminate the postcuring step after fabrication in many cases. COMPAMED takes place in Düsseldorf, Germany, from November 13 to 16, 2017.**

ELASTOSIL® LR 5040 cures to a translucent elastomer whose volatiles content – without thermal post-treatment – is below 0.5 weight percent. In its non-postcured state, the silicone exhibits a high level of tear resistance equivalent to that of postcured high-tear-strength standard materials. As a result, it can withstand such mechanical stresses as may occur in the usage of medical devices, for example.

These properties make ELASTOSIL® LR 5040 the material of choice when manufacturers want to dispense with thermal post-

treatment altogether. Typical applications include anti-colic valves, bottle tops or respirator masks.

The product line will initially cover a hardness range from 30 to 70 Shore A. In the cured state, the actual hardness of the non-postcured silicone deviates from specification by only  $\pm 3$  points. ELASTOSIL<sup>®</sup> LR 5040 can be readily processed by injection molding. Since molded parts no longer have to be postcured in many cases, production processes can be greatly streamlined and automated to a high degree. This facilitates very rapid, efficient and cost-effective large-scale production, even under cleanroom conditions.

Visit WACKER at COMPAMED 2017 in Hall 8A, Booth D28.



Thanks to their purity and good skin compatibility, silicones increasingly find use in medical-technology applications. At COMPAMED 2017, chemical group WACKER is presenting its new ELASTOSIL® LR 5040 liquid silicone rubber. The product features excellent tear strength after curing, allowing manufacturers of medical devices to dispense with thermal post-treatment in many cases. (Photo: WACKER)

Note:

*This photo is 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 13,450 employees and annual sales of around €4.6 billion (2016, without Siltronic). WACKER has a global network of 23 production sites, 19 technical competence centers and 49 sales offices.

**WACKER SILICONES**

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

**WACKER POLYMERS**

Polyvinyl acetates and vinyl acetate copolymers and terpolymers in the form of dispersible polymer powders, dispersions, solid resins and solutions

**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 photovoltaic industries