



WACKER **SILICONES**

ELASTOSIL®

SILICONES CONNECT
NOVEL SELF-ADHESIVE
SILICONE RUBBERS

CREATING TOMORROW'S SOLUTIONS

**One and One Is One.
Two Materials, One Part.
Fully Automatic and
Reliable Adhesion.**

Patented and innovative self-adhesion technology from WACKER SILICONES makes it possible to chemically bond silicone direct to numerous thermoplastics, thermosets and metals. And there's no need for preliminary work, design effort or the error-prone use of primers. Try out our new self-adhesive ELASTOSIL® silicone rubber grades!



NOW OUR SILICONE RUBBER
GRADES EVEN ADHERE
FULLY AUTOMATICALLY

THIS IS WHAT OUR NEW GRADES CAN DO

Pressureless Adhesion

Up until now, the adhesive strength of a silicone developed best when pressure was applied, e. g. in injection molding. Now the developers at WACKER SILICONES, using an innovative technology, have succeeded in ensuring a good bond even if the silicone is merely lying on the substrate. This benefits all pressureless curing applications, such as calendaring and extruding.

Our New Product Series

As a two-part, platinum-catalyzed solid silicone rubber, our new ELASTOSIL® R *plus* 4700 product line comes already supplied with this innovative technology. The products are ideal for use in coextrusion and coating and exhibit good to excellent adhesion on the following materials:

- Thermostable thermoplastics and fibers, such as polyester and polyamide
- Steel and aluminum
- Non-ferrous metals, such as copper, brass, zinc and titanium
- Other silicones

When it comes to application and productivity, too, there are many compelling reasons to use ELASTOSIL® R *plus* 4700: for example, it is processed in the same way as a platinum-catalyzed silicone. And because the adhesion itself develops extremely rapidly and final adhesion is attained after a few minutes in a heating tunnel, productivity with these products is just as high as with other platinum-catalyzed systems.

Self-Adhesive Solid Silicones

- ELASTOSIL® R *plus* 4070: for composite molded articles, usually with a metal component
- ELASTOSIL® R *plus* 4700: for coextrudates and coating of and with metals, plastics and elastomers

Specific Adhesion

Our self-adhesive ELASTOSIL® LR liquid silicones have a long-standing reputation as reliable materials. Now WACKER SILICONES has developed an innovative technology to market readiness in this area as well. We optimize and test the individual product lines for adhesion to as many substrates as possible.

Self-Adhesive Liquid Silicones

- ELASTOSIL® LR 3070, standard grade
- ELASTOSIL® LR 3071, food-certified
- ELASTOSIL® LR 3072, oil-bleeding
- ELASTOSIL® LR 3074, coolant-resistant
- ELASTOSIL® LR 3076, oil-resistant

The data presented in this brochure are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately upon receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The information given in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

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