

ELASTOSIL® R plus 4060/50

ONE-PART PLATINUM CATALYZED SOLID SILICONE RUBBER FOR MOLDING

Product description

ELASTOSIL® R plus 4060/50 is a platinum-catalyzed addition-curing, one-part silicone rubber for manufacturing molded articles. Vulcanizates are characterized by a high elasticity and a low compression set.

Special features

ELASTOSIL® R plus 4060/50 is a fast-curing grade showing lower compression set, better heat stability, and superior elasticity in comparison with other platinum curing grades (e.g. ELASTOSIL® R plus 4001). Hot air resistance can be improved by adding appropriate heat stabilizers, such as 1.5% of ELASTOSIL® AUX Stabilizer H3.

Application

ELASTOSIL® R plus 4060/50 is suitable for the manufacture of molded articles. Especially thick walled articles can take advantage of the fast curing material.

Processing

ELASTOSIL® R plus 4060/50 can be press-cured; it

can also be processed on a silicone rubber injection molding machine.

CAUTION! Danger of deactivation!
The platinum catalyst can be deactivated by e.g. amines or sulfur compounds.

Storage

The "Best use before end" date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

Product data

Typical general characteristics	Inspection Method	Value
Hardness Shore A	DIN 53505	50
Appearance		transparent
Density		approx. 1,15 g/cm ³
Tensile strength	DIN 53504 S 1	8,00 N/mm ²
Elongation at break	DIN 53504 S 1	500 %
Tear strength	ASTM D 624 B	25 N/mm
Rebound resilience	DIN 53512	62 %
Compression set	DIN ISO 815-B (22 h / 175 °C)	9 %

Cure: 15 min / 165 °C; post cure: 4 h / 200 °C ventilated air

These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium 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.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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For technical, quality, or product safety questions, please contact:

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