

ELASTOSIL® R 416/70

HIGH CONSISTENCY SILICONE RUBBER

Product description

ELASTOSIL® R 416/70 is a peroxide curing silicone rubber with very high green-strength, which enhances calendering and extrusion performance significantly.

Special features

- high green strength
- excellent output in extrusion
- high dimension stability of extruded hoses
- non-sticky surface

Application

ELASTOSIL® R 416/70 is particularly suitable for the economical production of turbo charger and radiator hoses which are used in the automotive industry.

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
Product data (postcured)		
Hardness Shore A	DIN 53505	70
Specific gravity	DIN EN ISO 1183-1 A	1,18 g/cm ³
Tensile strength	DIN 53504 S 1	10,00 N/mm ²
Elongation at break	DIN 53504 S 1	570 %
Tear strength	ASTM D 624 B	30 N/mm
Compression set	DIN ISO 815-B (22 h / 175 °C)	20 %

Cure conditions

Curing agent C6

45 % paste of 2,5-bis-(t-butylperoxy)-2,5- dimethyl hexane in silicone rubber	1,2 %
Cure at 165 °C	15 min

Curing agent C1

Dicumyl peroxide (98 %)	0,7 %
Cure at 165 °C	15 min

Postcuring: 4 h / 200 °C

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

WACKER® is a trademark of Wacker Chemie AG. ELASTOSIL® is a trademark of Wacker Chemie AG.

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

Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 München, Germany
info.silicones@wacker.com
www.wacker.com