

ELASTOSIL® R plus 4846/30

HIGH OIL-BLEEDING PT-CURING ONE-COMPONENT HTV SILICONE RUBBER

Product description

HTV silicone rubbers of the grade ELASTOSIL® R plus 4846/30 are oil-bleeding one-component PT-curing compounds for the manufacture of molded articles. The vulcanizates are opaque and form a thin oil film with lubricating properties shortly after the curing process. As the crosslinking system is based on platinum cure no peroxide decomposition products can be formed during curing.

Application

The grade is suitable for the manufacture of molded articles for technical applications. Specially thick walled articles can take advantage of the fast curing material.

Processing

ELASTOSIL® R plus 4846/30 is to be press cured. The material can be processed on conventional silicone rubber injection molding equipment.

Caution, danger of de- activation !

The Pt-catalyst can be de-activated already via air e.g. by amines or sulphur components in the air.

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	30
Density at 25 °C, at 1013 hPa	DIN 53479	approx. 1,11 g/cm ³
Tensile strength	DIN 53504 S 1	10,00 N/mm ²
Elongation at break	DIN 53504 S 1	1000 %
Tear strength	ASTM D 624 B	32 N/mm
Compression set non post cured	DIN ISO 815-B (22 h / 175 °C)	40 %
Compression set post cured	DIN ISO 815-B (22 h / 175 °C)	19 %

Cure conditions: 15 min / 165 °C in press, post curing for 4h/200°C in 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:

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

www.wacker.com