



Kisling AG

**Motorenstrasse 102
CH-8620 Wetzikon**

Telefon +41 (0)58 272 01 01
Telefax +41 (0)58 272 01 03

info@kisling.com
www.kisling.com

TECHNICAL DATA SHEET

ergo[®] 3020 Super RTV-Silicone RED

**Highest temperature-resistance including a high adhesive property.
Especially for high-powered motor application.**

Typical applications:

- exhauster manifold
- exhauster flanges
- caps and flanges for motors

Characteristic features in liquid condition:

Chemical basis:	modified oxim silicone
State:	red, thixotropic paste
Density:	1,24 g/cm ³
Extrusion rate: (at 25°C, 6 bar, 3.2 mm opening)	> 1000 g/min.
Ignition point	315°C

Typical characteristics in hardened condition:

Tensile shear strength (EN 1465)	2.0 N/mm ²
Ductile yield (ASTM-D-412)	300%
Hardness (Shore A) (ASTM-D-676)	40
Shrinkage	< 3%
Skinning time (ASTM-D-4678)	7 Minutes
Curing process	~2mm/ 24h at 50%rF
Temperature range	-60°C up to +315°C shortly up to +370°C
Thermal conductivity (ASTM D-2214/70)	0,002 Jcm ⁻¹ s ⁻¹ K ⁻¹
Coefficient of elongation (ASTN EB-31)	20 x 10 ⁻⁵ K ⁻¹
Dielectric constant @ 1 MHz (ASTM D-150)	2,8
Loss factor @ 1 MHz (ASTM D-150)	0,002
Breakdown voltage (ASTM D-149)	16 kV/mm
Specific volume resistance (ASTM D-257)	10 ¹⁵ Ω/cm
Shelf life	1 year in cartridges 2 years in metal tube or can

The information in this catalogue is based on the results of our research and experience. However, the suggestions herein concerning the use, application, and processing of the products (collectively, „the methods“) **are non-binding recommendations only**. It is the user's sole responsibility to determine the suitability and safety of these methods, based on the user's particular purpose in using the products.

Before relying on the reliability and safety of any parts that are bonded using the products, it is extremely important that the user test the reliability and safety of the parts that are bonded. Failure to do so could result in serious personal injury.

Because of the use of the products are within the purchaser's sole control, Kisling Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability or fitness for a particular purpose, arising from the sale or use of the products described herein. Kisling Corporation specifically disclaims any liability for consequential, incidental, or other damages of any kind, including lost profits. Kisling Corporation's liability for damages shall not exceed the purchase price of the products used.