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## TECHNICAL DATA SHEET

### ergo® 3040 Super RTV-Silicone TRANSLUCENT

**Very suitable, if there are required for optical reasons translucent glue and seal joints. For isolating and protecting electronic and electrical constituents.**

#### Typical applications:

- canopy of a lamp
- Sealing and encapsulating electrical connections and building components
- Sealing car body sheets

#### Characteristic features in liquid condition:

Chemical basis:	modified oxime silicone
State:	translucent, thixotropic paste
Density:	1,04 g/cm <sup>3</sup>
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 <sup>2</sup>
Ductile yield (ASTM-D-412):	270%
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 +260°C shortly up to +315°C
Thermal conductivity (ASTM D-2214/70)	0,002 Jcm <sup>-1</sup> s <sup>-1</sup> K <sup>-1</sup>
Coefficient of elongation (ASTN EB-31)	20 x 10 <sup>-5</sup> K <sup>-1</sup>

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 <sup>15</sup> Ω/cm

Shelf life	1 year in cartridges 2 years in metal tube or can
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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.

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