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TECHNICAL DATA SHEET

ergo.® 3130 Super RTV Silicone BLUE

Neutral cure one-component RTV silicone formulated for use in a wide range of industrial applications. **ergo.® 3130** Super RTV Silicone BLUE is low odor and non-corrosive because the by-products of cure are chemically neutral.
The product is characterized by its high temperature resistance, mechanical strength and resistance to vibration as well as its excellent weather and chemical resistance.

Typical applications

ergo.® 3130 Super RTV Silicone BLUE is an adhesive and sealant that achieves optimum seals, protection and adhesion to a wide variety of materials. It is typically used in situations that require bonds or seals to surfaces in heating or cooling devices, or in applications where electronic components require protection from external forces (vibration, impact, moisture and chemicals):

Bonding and sealing parts in household appliances (e.g. ovens and ceramic hobs), seals in electronic components (e.g. accumulators) and seals in automotive applications (e.g. valve covers, differential housings, intake manifolds, rear axle covers, oil pans, crankcases and diffusers).

Characteristic features in liquid condition:

Chemical basis	modified oxim silicone
Appearance	blue, thixotropic paste
Density @ 20°C	1,25 g/cm³
Viscosity @ 25°C (EN 12092, Cone-plate-system, MK25)	
shear rate 10 s^{-1}	60.000 – 80.000 mPa•s
100 s^{-1}	15.000 – 25.000 mPa•s
Extrusion rate (at 25°C, 5,5 bar, 3 mm opening)	150 – 250 g/ 15 seconds
Volume shrinkage	5 – 7 %
Loss of weight	1 – 3 %
Skinning time	5 - 10 minutes
Curing process	2 – 3 mm/ 24h at 50% r.h.

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Typical characteristics of cured product (after curing @23°C/ 50% r.h.)

Tear strength (DIN 535004 S2)	~ 2 N/mm²
Elongation at break (DIN 53504 S2)	~ 500 %
Recoverability (DIN EN 27389)	~ 90 %
Hardness (Shore A)	~ 24
Thermal range	-60°C up to +260°C shortly up to +300°C
Coefficient of elongation (ASTN EB-31)	20 x 10^{-5} K^{-1}
Dielectric constant @ 1 MHz (ASTM D-150)	2,8
Shelf life	1 year in 310ml cartridge 2 years in 200ml pressurized can