

TECHNICAL DATASHEET

ergo.® 4211

Product description

Medium strength product, which is suitable for fastening and sealing of, threaded pipe connections up to 2 inches. The ideal choice if copper or its alloys combined with hot water are involved and high temperature resistance is required.

Complies with the guide formulation of the German Federal Environment Agency, published 2016, February 11, for use in contact with drinking water.

Attention: Please observe and follow the special handling instructions for pipe-sealants.

Physical properties (uncured)

Chemical base	Methacrylic acid ester
Curing system	anaerobic
Color	violet / fluorescent
Viscosity acc. Brookfield RVT (25 °C, Spindle 6, 2.5 rpm)	7000 – 15000 mPas
Density at 25°C	1.10 g/cm ³
Max. thread diameter	R 2"
Max. gap filling	0.20 mm
Flash point	> 90 °C
Shelf life	1 year bei ≤ 20°C

Physical properties (cured)

Measured on M10 x 20 bolt - grade 8.8 black phosphatized - nut 0.8d (no on-torque)

Initial strength after	15 – 30 minutes
Functional strength	2 – 4 hours
Final strength	~ 24 hours
Breakaway torque (DIN 54454)	15 – 25 Nm
Prevail torque (DIN 54454)	19 – 25 Nm
Shear strength (DIN 54452)	7 – 18 N/mm ²
Thermal range	- 55°C up to +175°C

The information in this data sheet 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.

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