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TECHNICAL DATA SHEET ergo.® 4205

Pipe Sealant with PTFE

Description

Special grade for the sealing of conical or cylindrical pipe threads e.g. Withworth threads according to DIN 2999 up to 3 inches. Product gives flexible film with an breaking elongation of more than 100%. The contained PTFE powder lowers the friction. Certified acc. to **DVGW** (DIN EN 751-1) and **NSF Standard ANSI 61** for use in commercial and residential drinking water systems not exceeding +82°C. **NSF P1** listed for use in food processing areas..

Note: This is a regional approval. Please contact us for more information and clarification.

In Germany not allowed for use in household gas-installations acc. to TRGI 2008.

Physical Properties (liquid product)

Chemical Base: Diester of Methacrylic Acid with PTFE

Colour: white

Viscosity at 25°C Brookfield RVT

40000 – 60000 mPas spindle 6, 2,5 rpm
15000 – 20000 mPas spindle 6, 20 rpm

Density at 25°C: 1.0 g/cm³

Max. thread diameter: 3 inches

Max. gap filling: 0.30 mm

Flash point: > 100°C

Shelf life: 1 year at room temperature

Physical Properties (cured product)

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 after: 1 – 3 hours

Final strength after: ~ 12 hours

Loose-break torque: 5 – 10 Nm DIN 54454

Prevailing torque: 4 – 7 Nm

Shear strength: 5 – 7 N/mm² DIN 54452

Thermal range: - 55°C up to +200°C

Attention:

The use of ergo.® 4205 is not recommended for threads, cut in copper or copper alloys, which have contact with hot water (>40°C), without any preliminary testing.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that KISLING products are safe, effective, and fully satisfactory for the intended end use. KISLING sole warranty is that the product will meet the KISLING sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. KISLING specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless KISLING provides you with a specific, duly signed endorsement of fitness for use, KISLING disclaims liability for any incidental or consequential damages. Suggestions of uses should not be taken as inducements to infringe any particular patent.