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TECHNICAL DATA SHEET ergo 4453

Retaining Compound, temperature resistant

Description

Fast curing , heat resistant product, which retains cylindrical joints with excellent resistance against temperature and acids, alkalines and water. Approved acc. to DIN 751-1 (**DVGW**) and to **ANSI/NSF Standard 61** for use in commercial and residential potable water systems not exceeding 82° C.

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

Attention:

The use of ergo® 4453 is not recommended for threads, cut in copper or copper alloys, which have contact with hot water (>40°C), without any preliminary testing.

Physical Properties (liquid product)

Chemical Base:	Diester of Methacrylic Acid	
Colour:	green/ fluorescent	
Viscosity:	450 – 650 mPas	25°C Brookfield RVT spindle/ rpm 2/ 20
Density:	1.10 g/cm ³	25°C
Max. thread diameter:	M 20	
Max. gap filling:	0.15 mm	
Flash point:	> 100°C	
Shelf life:	1 year at room temperature	

Physical Properties (cured product)

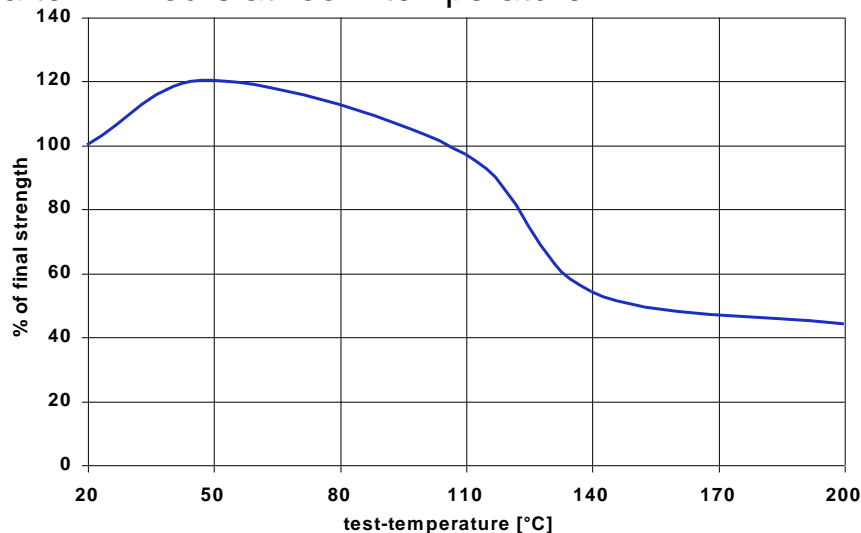
Measured on M10 x 20 bolt - grade 8.8 zinc galvanised - nut 0.8d (no on-torque)

Initial strength after:	2 - 6 minutes	
Functional strength after:	0,5 - 1 hour	
Final strength after:	2 - 4 hours	
Loose-break torque:	> 25 Nm	DIN 54454
Prevailing torque:	> 40 Nm	
Shear strength:	> 27 N/mm ²	DIN 54452
Thermal range:	- 55°C up to +175°C	

ergo 4453

Shear Strength acc. to DIN 54452

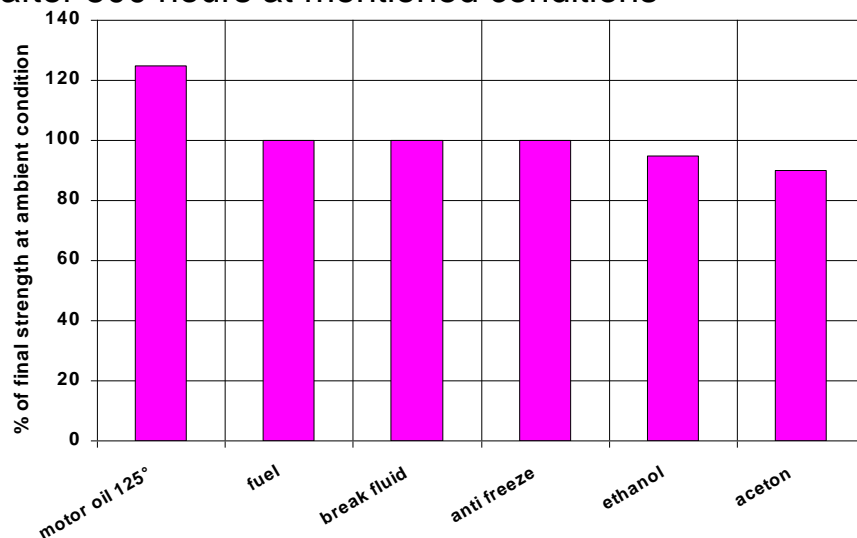
after 24 hours at room-temperature



ergo 4453

Shear Strength acc. to DIN 54452

after 500 hours at mentioned conditions



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.