

TECHNICAL INFORMATION

BEST-MK 2238

DVGW-Registration Number NG-5146AT0300

BEST-MK 2238 is a DVGW-registered one component, solvent free, medium strength anaerobic curing adhesive based on Dimethacrylate ester. The viscosity is medium.

BEST-MK 2238 is the standard product recommended for locking and sealing of pipe threads. Also recommended for locking and sealing of threaded fasteners which require normal disassembly with special hand tools.

BEST-MK 2238 is high viscosity. The high viscosity provides a good self-efficient adhesive distribution on the pipe threads but also prevents a leaking of the adhesive from the thread. In case of disassembly it is possible to loosen the thread without damage.

PROPERTIES (liquid product)

Chemical Type	Dimethacrylate ester
Curing system	anaerobic
Colour	blue
Strength	medium
Viscosity (Brookfield)	6000 - 9500 mPas
Density (DIN 51757)	1,1 x 10 ³ kg/m ³
Thread sizes to	R3"
Bonding gap	0,10 – 0,25 mm
Thread friction	0,17
<u>Shelf life in unopened original container</u> (Storage temperature at 8 to 21°C)	2 Years
<u>Shelf life in unopened original BULK</u> (Storage temperature at 8 to 21°C)	ca. 3 months

CURING TIME @ 23°C

Fixture time	5 - 15 min.
Functional strength	2 - 5 hrs.
Total curing time	10 hrs.

STRENGTH VALUES (cured product)

Compression/shear strength (DIN EN 15337)	15 N/mm ²
Breakloose Moment (DIN EN 15865)	10 Nm
Breakaway Moment (DIN EN 15865)	< M-LB
Temperature range	-60°C bis +150°C

CHEMICAL AND ENVIRONMENTAL RESISTANCE

(DIN 53287 - test in accordance to DIN 15865)
in % of the initial strength after 1000h Chemical absorption

Water/Glycol at 87°C	85%
Motor Oil (MIL-L-46 152) at 125°C	95%
Unleaded Gasoline at 23°C	95%
Brake fluid at 23°C	100%
1,1,1 Trichlorethane at 23°C	95%
Ethanol at 23°C	85%
Acetone at 23°C	90%

For resistance against other chemicals, please check the chemical resistance listing.

HEALTH AND SAFETY STANDARDS

This product is not classified as dangerous according to regulation (EC) 1272/2008. General rules regarding handling of chemicals apply. For further information please see corresponding material safety data sheets.

General

The data and information above correspond to the current know-how of BEST-Klebstoffe GmbH & Co. KG. Our information and data have been developed from laboratory tests and extensive practical experience. They shall not release any customer from its duty to perform receiving inspections and to do test runs in view of any intended use, nor do they constitute a representation that any product will have specific properties or be suitable for any definite use. BEST-Klebstoffe GmbH & Co. KG reserves the right to change the contents of this document as necessary.

Revision: 180418
Revision date: 18.04.2018