

TECHNICAL INFORMATION

BEST-MK 2235

DVGW-Registry Number NG-5146BT0238

BEST-MK 2235 is a one component, solvent free, medium strength and high viscos anaerobic curing adhesive based on Dimethacrylate ester.

BEST-MK 2235 is a standard product for sealing of thread connections and pipe fittings.

BEST-MK 2235 has a high viscosity providing a good self-efficient adhesive distribution on the thread but also preventing a leaking of the adhesive from the thread. When twisting the nut on the adhesive covered thread, due to the lubricating effect of the adhesive the thread friction is equal to an oil-covered thread. In case of disassembly the connection can be loosened without damaging the thread.

PROPERTIES (liquid product)

Chemical Type	Dimethacrylate ester
Curing system	anaerobic
Colour	blue/ opaque
Strength	medium
Viscosity (Brookfield) Sp. 4/100 RPM @25°C	2000- 3000 mPas/thix
Density (DIN EN 542)	1,1 x 10 ³ kg/m ³
Thread sizes	up to R3"
Max. gap filling	0,01 – 0,25 mm
Thread friction	0,13
<u>Shelf life in unopened original container</u> (Storage temperature at 8°C to 21°C)	24 months
<u>Shelf life in unopened original BULK</u> (Storage temperature at 8°C to 21°C)	3 months

CURING TIME AT 23° C

Fixture time	2 - 10 min.
Functional strength	2 - 3 hrs.
Total curing time	12 hrs.

**STRENGTH VALUES (cured product)**

Compression/shear strength (DIN EN 15337)	16 N/mm ²
Breakloose Moment (DIN EN 15865)	16 Nm
Breakaway Moment (DIN EN 15865)	10 Nm
Temperature range	-60°C up to +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.

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