

TECHNICAL INFORMATION

BEST-MK 1231

BEST-MK 1231 is a one-component, solvent-free, medium strength and medium viscous anaerobic curing adhesive based on di-methacrylate-ester with DVGW-certification.

BEST-MK 1231 is the standard product for securing of threads. It is also recommended for sealing of thread connections as well as pipe connections.

BEST-MK 1231 automatically spreads in the thread without leaking from the thread. The product provides a lubricating effect with the friction coefficient of an oiled screw. Disassembly is possible with special tools without causing damage to the thread.

PROPERTIES (liquid product)

Chemical Type	Dimethacrylate ester
Curing system	anaerobic
Colour	blue
Strength	medium
Viscosity (Brookfield) Sp. 4/100 RPM @25°C	1.5000 - 2.500 mPas/thix
Density (DIN EN 542)	1,1 x 10 ³ kg/m ³
Thread sizes	all thread sizes
Thread friction	0,13
<u>Shelf life in unopened original container</u> (Storage temperature 8 to 21°C)	24 months
<u>Shelf life in unopened original BULK</u> (Storage temperature 8 to 16°C)	ca. 3 months

Curing time @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 to +150°C

CHEMICAL AND ENVIRONMENTAL RESISTANCE**(DIN 53287 – Test in accordance with DIN EN 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 more information on resistance against other chemicals please contact BEST-Klebstoffe.

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 the 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 as necessary.

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