

TECHNICAL INFORMATION

BEST-MK 1122

BEST-MK 1122 is a one-component, solvent-free, low strength and low viscous anaerobically curing adhesive based on dimethacrylate ester.

BEST-MK 1122 is the standard product for securing of threads. It is also recommended for sealing of thread connections.

In applications on fine threads and grub screws its low strength allows loosening the connected parts without any damaging.

BEST-MK 1122 is of low viscosity and automatically spreads in the thread. Disassembly is possible with standard tools without causing damage to the thread.

PROPERTIES (liquid product)

Chemical type	Dimethacrylate ester
Curing system	Anaerobic
Appearance	Red
Strength class	Low
Viscosity (Brookfield)	200 – 500 mPas
Density (DIN EN 542)	1,1 x 10 ³ kg/m ³
Thread size up to	M12
Max. gap filling	0,04 – 0,13 mm
Thread friction	0,15
<u>Shelf life in unopened original container</u> (Storage temperature 8°C to 21°C)	24 months
<u>Shelf life in unopened original BULK</u> (Storage temperature 8°C to 16°C)	ca.3 months

CURING TIME @23°C

Fixture time	5 to 15 minutes
Functional strength	4 – 6 hours
Final strength	12 hours



STRENGTH VALUES (cured product)

Compression shear strength (DIN EN 15337)	7 N/mm ²
Breakloosemoment (DIN EN 15865)	9 Nm
Breakawaymoment (DIN EN 15865)	< M-LB
Temperature range	-60°C – +150°C

CHEMICAL AND ENVIRONMENTAL RESISTANCE
(DIN 53287 – Test in accordance with DIN 15865)

in % of the initial strength after 1000h chemical absorption

Water/Glycol at 87°C	80 %
Motor oil (MIL-L-46 152) at 125°C	90%
Unleaded Gasoline at 23°C	90%
Brake fluid at 23°C	95%
1,1,1 Trichloroethane at 23°C	90%
Ethanol at 23°C	80%
Acetone at 23°C	85%

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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