

## TECHNICAL INFORMATION

## BEST-MK 1222

**BEST-MK 1222** is a one-component, solvent-free, medium strength and low viscous anaerobic curing adhesive based on di-methacrylate-ester.

**BEST-MK 1222** is the standard product for securing of threads. It is also recommended for sealing of thread connections, especially for hydraulics.

**BEST-MK 1222** is of low viscosity and automatically spreads in the thread without leaking. Disassembly is possible with special tools without causing damage to the thread.

**PROPERTIES (liquid product)**

Chemical type	Di-methacrylate-ester
Curing system	Anaerobic
Appearance	blue
Strength class	medium
Viscosity (Brookfield) Sp. 3/30 RPM @25°C	200 - 500 mPas
Density (DIN 51757)	1,1 x 10 <sup>3</sup> kg/m <sup>3</sup>
Thread size	up to M12
Max. gap filling	0,04 – 0,13 mm
Thread friction	0,17
<u>Shelf life in unopened original container</u> (Storage temperature 8°C to 2°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	2 to 10 minutes
Functional strength	2 – 3 hours
Final strength	12 hours

**STRENGTH VALUES (cured product)**

Compression shear strength (DIN 54452)	16 N/mm <sup>2</sup>
Breakloosemoment (DIN 54454)	16 Nm
Breakawaymoment (DIN 54454)	10 Nm
<b><u>TEMPERATURE RANGE</u></b>	-60°C – +150°C

**CHEMICAL AND ENVIRONMENTAL RESISTANCE**  
**(DIN 53287 – Test in accordance with DIN 54454)**

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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