

## TECHNICAL INFORMATION

### BEST-MK 1231T

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

**BEST-MK 1231T** is the standard product for securing of threads. It is also recommended for sealing of thread connections as well as pipe connections. Special feature of this product is its excellent temperature resistance up to 220°C and an easy disassembly.

**BEST-MK 1231T** 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	Di-methacrylate-ester
Curing system	Anaerobic
Appearance	Blue
Strength class	Medium
Viscosity (Brookfield)	1.500 - 2.500 mPas/thix
Density (DIN EN 542)	1,1 x 10 <sup>3</sup> kg/m <sup>3</sup>
Thread size	all threads
Thread friction	0,13
<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 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 EN 15337)	16 N/mm <sup>2</sup>
Breakloosemoment (DIN EN 15865)	16 Nm
Breakawaymoment (DIN EN 15865)	10 Nm
<b><u>TEMPERATURE RANGE</u></b>	-60°C – +220°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**

Hazard statements: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. Harmful to aquatic life with long lasting effects. 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. It is the user's responsibility to perform receiving inspections and to determine suitability for the user's purpose of any production methods. We disclaim all warranties expressed or implied, that any product will have specific properties for a particular purpose. BEST-Klebstoffe GmbH & Co. KG reserves the right to change the contents of this document as necessary.

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