

## TECHNICAL INFORMATION

**BEST-MK 3147**

**BEST-MK 3147** is a one component, solvent free, low strength anaerobic curing adhesive based on Dimethacrylate ester. The viscosity is medium.

**BEST-MK 3147** is the standard product recommended for sealing of flanges and lockin and sealing of pipe threads. Also recommended for locking and sealing of threaded fasteners which require normal disassembly with standard hand tools.

**BEST-MK 3147** has a flow behavior, that provides for no running off even on vertical expanses. The connection can be loosened without damage of threads in case of repair.

**PROPERTIES (liquid product)**

Chemical type	Dimethacrylate ester
Curing system	anaerobic
Color	red
Strength	low
Viscosity (Brookfield)	600.000 - 1.200.000 mPas/paste-like
Density (DIN EN 542)	1,1 x 10 <sup>3</sup> kg/m <sup>3</sup>
Thread sizes	up to R5"
Bonding gap	0,10 - 0,30 mm
Thread friction	0,17
Shelf life in unopened original container (Storage temperature at 10 to 23°C)	24 months
Shelf life in unopened original BULK (Storage temperature at 10 to 23°C)	ca. 3 months

**Curing time @23°C**

Fixture time	5 - 15 minutes
Functional strength	3 – 5 hours
Total curing time	10 hours

**STRENGTH VALUES (cured product)**

Compression/shear strength (DIN EN 15337)	6 N/mm <sup>2</sup>
Breakloose Moment (DIN EN 15865)	5 Nm
Breakaway Moment (DIN EN 15865)	< M-LB
Temperature Range	-60°C bis +150°C

**ENVIRONMENTAL AND CHEMICAL RESISTANCE**

(DIN EN 53287 – test in accordance to DIN EN 15865) in % of the initial strength after 1000h chemical absorbtion

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 Trichlorethane at 23°C	90%
Ethanol at 23°C	80%
Acetone at 23°C	85%

For resistance against other chemicals, please check the chemical resistance listing.

**INDUSTRIAL 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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