

TECHNICAL INFORMATION

BEST-MK 2138

BEST-MK 2138 is a one component, solvent free, low strength and high viscous anaerobic curing adhesive based on Dimethacrylate ester.

BEST-MK 2138 is the standard product for securing and sealing of pipe threads. Another field of application is the saving and sealing of threaded bonds.

BEST-MK 2138 automatically spreads in the thread without leaking from the thread. The high viscosity provides a lubricating effect with the friction coefficient of an oiled screw. Disassembly is possible with standard tools without causing damage to the thread.

PROPERTIES (liquid product)

| | |
|--|---|
| Chemical type | Di-methacrylate-ester |
| Curing system | Anaerobic |
| Appearance | red |
| Strength class | low strength |
| Viscosity (Brookfield) Sp. 3/30 RPM @25°C | 6.000 - 9.000 mPas |
| Density (DIN EN 542) | 1,1 x 10 ³ kg/m ³ |
| Thread size up to | R3" |
| Max. gap filling | 0,1 – 0,25 mm |
| Thread friction | 0,15 |
| <u>Shelf life in unopened original container</u> (Storage temperature at 8°C to 21°C) | 24 months |
| <u>Shelf life in unopened Original BULK</u> (Storage temperature at 8°C to 16°C) | 3 months |

Curing time @23°C

| | |
|---------------------|----------------|
| Fixture time | 5 - 15 minutes |
| Functional strength | 2 - 5 hours |
| Final strength | 12 hours |

**STRENGTH VALUES (cured product)**

| | |
|---|---------------------|
| Compression shear strength (DIN EN 15337) | 5 N/mm ² |
| Breakloosemoment (DIN EN 15865) | 6 Nm |
| Breakawaymoment (DIN EN 54454) | < 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 | 100% |
| 1,1,1 trichlorethane at 23°C | 90% |
| 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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