

**Special Impregnation  
sealant IM3000****This sheet supersedes the one dated: March 16<sup>th</sup> 2020**

**Description:** Cross linking mixture of mono- and polyfunctional methacrylic monomers

Physical data of liquid resin:

**Appearance:** Yellow to light yellow and clear, fluorescent on demand

**Smell:** Pleasant smell like ester

**Flammable point:** 102 °C (DIN 51758)

**Boiling point:** 240°C at 1013 mbar

**Viscosity at 20°C:** 16 ±1 mPas  
33 ±1s Zahn Cup No 1  
27 ±1s Frikmar Becher No 3

**Density at 20°C:** 1,043 ±0,003g/ml

**Vapour pressure at 20°C:** 0,1 mbar

**Washability:** Excellent

**Solubility in water:** 107 g/l

**Storage conditions:** Non-catalyzed: 12 months at max. 35°C  
Catalyzed: 12 months(\*) at max. 25°C  
Modifications through metals, alkalis, peroxides and direct sunlight.

(\*) in original packaging; do not keep under inert gas

**Degassed gel time at 90°C:** 2min 30sec to 7min, recommended (catalyzed with 0,2 or 0,3% AZDN; Powder; e. g. 200kg drum + 0,4 or 0,6kg AZDN Powder)  
2min 30sec to 7min, recommended (catalyzed with 0,4 or 0,6% KT64 Paste; e. g. 200kg drum +0,8 or 1,2kg KT64 Paste)

Physical data of hardened resin:

**Appearance:** Clear plastic with or without some cracks. Fluorescent execution to retrieve the plastic in the porosity of the castings using an UV-lamp.

**Hardness:** 98 Shore A

**Temperature range:** -110°C to +200°C; Short time up to +250°C  
Permanent temperature load max. 200°C  
Short temperature load max. 250°C temperature resistance depends on size of porosity

**Chemical resistance:** The resin sticks do not show any remarkable absorption of unpolar liquids such as fuel and oil. Chemical resistance list available on request.

**Pressure resistance:** According to ambient metal.

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- NSF International: Drinking water treatment chemicals  
(2001, last update June 2020) and system components Health Effects  
Certified to ANSI/NSF 61
- UL Underwriting Laboratories: UL 87, Power-Operated Dispensing Devices for  
(3rd April 2012) Petroleum Products; IM3000 may be used when  
Certified to UL87; EQQY2) in contact with the following fluids: Fuel oil;  
last audited on March 2020 Kerosene; Diesel; Gasoline; Gasoline/ethanol  
blends at levels designated as "gasohol" (E10  
maximum); LP-Gas; Natural or manufactured  
gas.
- Gaswärme-Institut e. V. Essen: Resistance to gas;  
(1992) used for gas fittings
- Release acc. to QPL-17563, Class 1 and 3 acc. to MIL-I-17563-B (1992) and C (1995)
- Technologisches Gewerbemuseum: Biological degradation  
Wien (1988)
- Lloyd's Register of Shipping: Statement of non-objection  
(2020)
- TÜV certificate for production of impregnating resins according to DIN ISO 9001 since 1993;  
renewal in November 2017 according to DIN EN ISO 9001:2015
- TÜV certificate for production of impregnating resins according to DIN EN ISO 14001  
(environmental management) since December 2011; renewal in November 2017 according to  
DIN EN ISO 14001:2015
- Approval with all large car manufacturers
- Additional approvals upon request

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