



Internationale Metall  
IMP Prägner GmbH

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# Technical Datasheet

Revision-Nr: 3

Date of issue: 15.02.2014

Last change: 03.08.2020

Changes are characterized by a marginal  
vertical line

## IM3000e

This sheet supersedes the one dated: 07.11.2014

**Description:** Cross linking mixture of mono- and polyfunctional methacrylic monomers, designed for fine porosities.

### Physical data of liquid resin:

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

**Smell:** Pleasant smell like ester

**Flash point:** 96 °C (DIN 51758)

**Surface tension:** 29.8 mN/m

**Viscosity at 20°C:** 33 ±1s Zahn Cup N° 1

**Density at 20°C:** 1.01 ±0.01g/ml

**Vapour pressure at 20°C:** 0.1mbar at 20°C

**Washability:** Excellent

**Solubility in water:** Emulsifiable

**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

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

**Density:** 1,2 g/ml

**Hardness:** 98 Shore A

**Temperature range:** -110°C to +200°C; Short time up to +250°C

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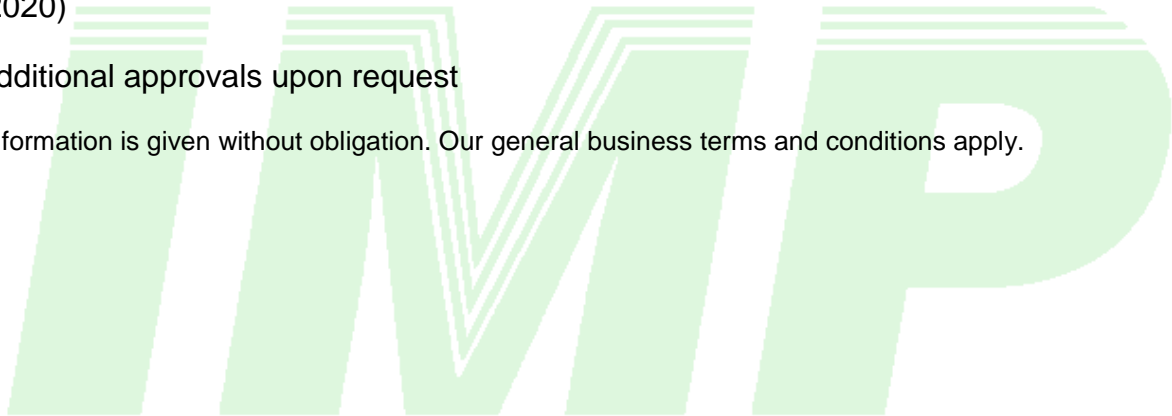
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**Chemical resistance:** The resin sticks do not show any remarkable absorption of unpolar liquids such as fuel and oil.  
Chemical stability list available upon request.

### Approvals of IM3000e:

- 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
- Lloyd's Register of Shipping: Statement of non-objection (2020)
- Additional approvals upon request

All information is given without obligation. Our general business terms and conditions apply.



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