

IM3000e

Changes are characterized by a marginal vertical line

This sheet supersedes the one dated: 15.02.2014

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, 1.3 mbar at 66°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 - 7 minutes, recommended (catalyzed with 0.3 or 0.4%)

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

Technical Datasheet

Revision-Nr: 2
Date of issue: 15.02.2014
Last change: 07.11.2014

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Chemical stability list available upon request.

Approvals of IM3000e:

- TÜV certificate for production of impregnating resins according to DIN ISO 9001 / EN29001 since 1993; renewal in 2009 according to DIN EN ISO 9001:2008
- TÜV certificate for production of impregnating resins according to DIN EN ISO 14001 : 2009 (environmental management; since December 2011)
- Lloyd's Register of Shipping: Statement of non-objection (2009)
- Additional approvals upon request

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

