# Sovermol® 100 N

**General**

Sovermol® 100N is a polyol used in the manufacturing of polyurethanes.

**Key features & benefits**

- Co-polyol (in combination with Sovermol 750 UV-stable)
- Improves glass transition temperature $T_g$
- High cross-linking density, hydrophilic
- Improvement of chemical resistance
- Drinking and potable water application possible upon product specific confirmation according to local legislation.

**Chemical nature**

Branched polyether

## Properties

**Appearance**

Medium viscous, clear liquid

**Typical characteristics**
*(should not be interpreted as specifications)*

| | | |
|---|---|---|
| Water content | DIN 51 777 | < 0.1 % |
| Acid number | DIN EN ISO 2114 | < 1.0 mg KOH/g |
| Hydroxyl number | DIN 53 240 | 810 – 910 mg KOH/g |
| Viscosity (25 °C) | DIN EN 12092 | 5400 – 6400 mPa·s |
| Density (25 °C) | DIN 51 757 | 1.08 - 1.12 g/cm$^3$ |
| Colour Pt/Co, APHA | DIN ISO 6271 | < 150 |

## Application

Sovermol® 100 N is recommended for solvent-free coatings of high chemical resistances and hardness. It increases the glass transition temperature also.

Sovermol® 100 N has normally to be used in combination with other Sovermol® types. As sole polyol it is necessary to homogenize at least 10 minutes to achieve a good compatibility with the isocyanate by increasing the viscosity.

**Mixing formulation (without filler)**

| | |
|---|---|
| 100 g | Sovermol® 100 N |
| 5 g | Zeolith Paste |
| 208 g | Polymer MDI* |

*e.g. Lupranate M 20 S – BASF Polyurethanes

For further detailed application information please contact our Technical Support Department.

**Safety**
When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

**Note**
The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.



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