

Sovermol® 45

General

Sovermol® 45 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
Improvement of chemical resistance
Hydrophilic
Functionality approx. 4

Chemical nature

Branched polyether

Properties

Appearance

Medium viscous, clear liquid

Typical characteristics

(should not be interpreted as specifications)

Water content	DIN EN 13267	< 0.15 %
Acid number	8687	< 1.5
Hydroxyl number	8141, ISO 6796-1981	530 – 610 mg KOH/g
Viscosity, 25 °C	ISO 2555	3.000 – 6.000 mPa.s
Color APHA	ISO 6271	< 70

Application

Sovermol® 45 is recommended for solvent-free coatings of high chemical resistances and hardness. It increases the glass transition temperature also.

Sovermol® 45 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® 45
5 g Zeolith Paste
138 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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