

Sovermol® 1014

general

Sovermol® 1014 is a polyol used in the manufacturing of polyurethanes

- Soft elastic performance
- Raw materials are registered in EU-Directive 2002/72/EG resp. 2007/19/EC as amended
- Hydrophobic
- High renewable raw material content

The product might be slightly cloudy - this does not affect the product properties in a negative way

chemical nature

Branched polyether/polyester

Properties

physical form

Yellow - green, low viscous liquid

shelf life

When stored under the usual appropriate storage conditions, the product can be stored for at least 1 year.

typical properties (no supply specification)

Water content (DGF C-III 13A)	<= 0.1%
Acid number (DGF C-V 2)	<= 4.0 mg KOH/g
Hydroxyl number (DGF C-V 17A, B)	155 – 168 mg KOH/g
Iodine value WIJS G I/100G (DGF C-V 11D)	80 - 90

Application

In combination with Polymer MDI Sovermol® 1014 can be used for the production of 2 pack coating and foam applications, in floorings and for adhesives.

In addition, Sovermol® 1014 shows particular water repellency, which results in less sensitivity to moisture while curing.

Mixing Formulation (without filler)

100 g Sovermol® 1014
5 g Zeolith paste
39 g Polymer MDI*

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

Gel time at 23 °C approx. 95 min (30g mass).

Shore hardness (ISO 868) (storage/room temperature)

	A	D
after 1 day	50	17
after 2 days	62	24
after 3 days	-	-
after 7 days	-	-
after 14 days	67	26
after 28 days	67	26

Technical Data

Sovermol® 1014 in combination with

	Polymer MDI*	MDI (Carbodiimid - modified)**
Shore A hardness RT (ISO 868)		
after 1 day	50	33
after 2 days	62	36
after 3 days	-	-
after 7 days	-	-
after 14 days	67	36
after 28 days	67	36
Mixing ratio	100:39	100:44
Geltime in hours Coesfield	01:35	00:55
Tensile strength in MPa (ISO 527-3 Typ5))	3	3
Elongation in % (ISO 527-3 Typ5)	59	111
Tear resistance in N/mm (ISO 34-1)	6	10

* e.g. Lupranat M 20 S, BASF Polyurethanes

** e.g. Supraspec 2010, Fa. Huntsman Polyurethanes

Registration / Regulatory Information

Regulatory Status

AICS (Australia)
 ENCS/MITI (JP)
 EINECS (EU)
 TSCA (USA)
 DSL (Canada)
 PICCS (Philippines)
 IECSC (China)
 ECL (Korea)

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Safety

When handling these products, 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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