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Sovermol® 1014

Product description

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

Key benefits

- Soft elastic performance
- Drinking and potable water application possible upon product specific confirmation according to local legislation.
- 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

Technical data
(no supply specification)

Water content	DGF C-III 13 A	≤ 0.1 %
Acid number	DGF C-V 2	≤ 4.0
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 M20S – BASF Polyurethanes

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

Shore hardness
(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 Typ 5)		3	3
Elongation in % (ISO 527-3 Typ 5)		59	111
Tear resistance in N/mm (ISO 34-1)		6	10

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

** Supraspec 2010, Fa. Huntsman Polyurethanes

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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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