

# Sovermol® 920

## general

Sovermol® 920 is a polyol used in the manufacturing of Polyurethanes (TPU)

- Polyol for TPU applications
- Functionality = 2

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

## chemical nature

Polycarbonatetherdiol

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## Properties

### physical form

Light yellow, 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)	< 0.2%
Acid number (DGF C-V 2)	< 1.0 mg KOH/g
Hydroxyl number (DGF C-V 17A,B)	50 – 59 mg KOH/g
Viscosity (25 °C) (ISO 2555)	7000 – 11000 mPa·s

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## Application

Sovermol® 920 can be used as a polyol for the polyurethane industry, especially for production of thermoplastic polyurethanes and PUR elastomers.

### Application example (without filler)

100 g Sovermol® 920

5 g Zeolith paste

13 g Polymer MDI\*

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

Gel time at 23°C approx. 396 min (30g mass).

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

	A	D
after 1 day	-	-
after 2 days	9	-
after 3 days	18	-
after 7 days	36	-
after 14 days	41	-
after 28 days	55	20

**Technical Data****Sovermol® 920 in combination with****Polymer MDI\*****Shore D hardness RT (ISO 868)**

after 1 day	-
after 2 days	9
after 3 days	18
after 7 days	36
after 14 days	41
after 28 days	55

**Mixing ratio** 100:13**Geltime in hours Coesfield** 06:36**Tensile strength in MPa  
(ISO 527-3 Typ5)** 1**Elongation in % (ISO 527-3 Typ5)** 91**Bending strength in MPa  
(ISO 178)** -

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

## Registration / Regulatory Information

### Regulatory Status

EU (Europe)	<input checked="" type="radio"/>	
ENCS (Japan)	<input checked="" type="radio"/>	
TSCA (USA)	<input type="radio"/>	
INV (China)	<input checked="" type="radio"/>	
	<input checked="" type="radio"/>	Yes
	<input type="radio"/>	No

#### 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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