Technical Data Sheet

Sovermol® 1092

BASF
We create chemistry

general

Sovermol® 1092 is a polyol used in the manufacturing of polyurethanes

- Low viscosity high performance polyol
- Excellent pigment wetting at Ti02
- Extremely hydrophobic
- Good bonding properties
- Hardness similar to epoxy systems
- 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, low viscosity fluid

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 (ISO 4317)	<= 0.2%
Acid number (ISO 660)	<= 2.0 mg KOH/g
Hydroxyl number (DIN 53240-98)	268 – 298 mg KOH/g
Viscosity (dynamic) (25 °C) (ISO 2555)	650 – 950 mPa·s
Density (25 °C) (ISO 2811-3)	0.97 – 1.02 g/cm^3

Application

In combination with Polymer MDI Sovermol® 1092 can be used for the production of 2-pack PU coating and adhesives. Due to the hydrophobic properties and its low viscosity, this material is therefore eminently suitable for electro potting compounds.

In addition, Sovermol® 1092 shows particular water repellency, which results in less sensitivity to moisture while curing.

Mixing Formulation (without filler)

100 g Sovermol® 1092
5 g Zeolith paste
42 g Polymer MDI*

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

Gel time at 23 °C approx. 70 min (30g mass).

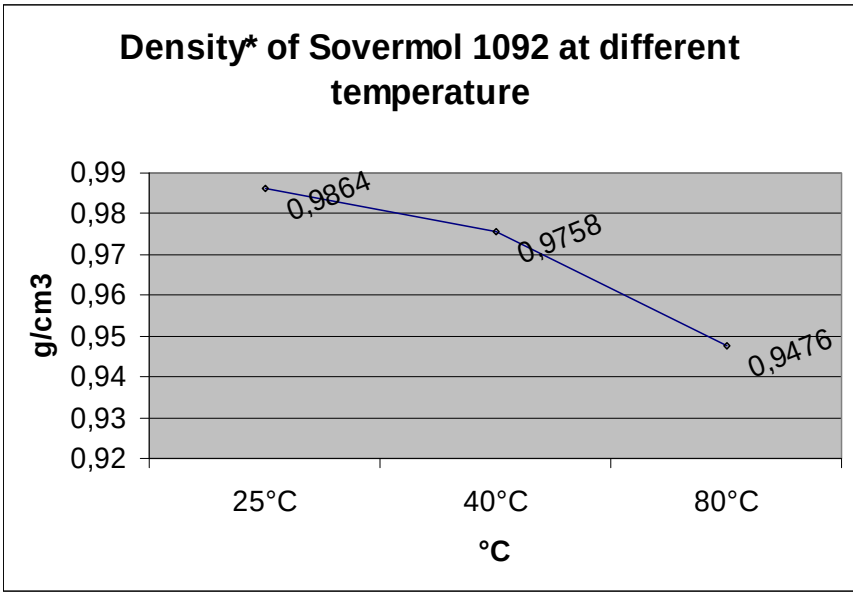
Shore hardness (ISO 868) (storage/room temperature)	A	D
after 1 day	90	45
after 2 days	97	65
after 3 days	-	-
after 7 days	-	-
after 14 days	100	84
after 28 days	100	86

Technical Data

	Sovermol® 1092 in combination with Polymer MDI*
Shore D hardness RT (ISO 868)	
after 1 day	45
after 2 days	65
after 3 days	-
after 7 days	-
after 14 days	84
after 28 days	86
Mixing ratio	100:69
Geltime in hours Coesfield	01:09
Tensile strength in MPa (ISO 527-3 Typ5))	39
Elongation in % (ISO 527-3 Typ5)	3
Tear resistance in N/mm (ISO 34-1)	21

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

Density at different temperatures	25 °C	0.9864 g/m^3
	40 °C	0.9758 g/m^3
	80 °C	0.9476 g/m^3



Registration / Regulatory Information

Regulatory Status

EU (Europe)	●
NDSL (Canada)	●
TSCA (USA)	●
IECSC (China)	●

●	Yes
○	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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