

Sovermol[®] 1092

Product description Sovermol[®] 1092 is a polyol used in the manufacturing of polyurethanes.

Key benefits

- Low viscosity high performance polyol
- Excellent pigment wetting (esp. TiO₂)
- 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 viscous fluid

Technical data

(not supply specification)

Water content	ISO 4317	< 0.2%
Acid number	ISO 660	< 2.0 mg KOH/g
Hydroxyl number	DIN 53240	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 to produce 2-pack PU coatings 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.

Formulation guideline

Mixing formulation

100 g Sovermol® 1092

(without filler)

5 g Zeolith Paste

69 g Polymer MDI*

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

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

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

A

D

after 1 da

90

45

after 2 days

97

65

after 3 days

-

-

after 7 days

-

-

after 14 days

100

84

after 28 days

100

86

Micing ratio

100 : 69

Geltime [h] Coesfield

01:09

Tensile strength [MPa] (ISO 527-3 Typ 5)

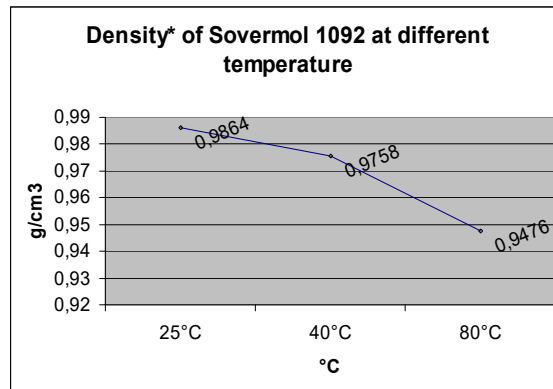
39

Elongation [%] (ISO 527-3 Typ 5)

3

Tear resistance [N/mm] (ISO 34-1)

21

Density @ different temp.**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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