Technical Data Sheet

Sovermol® 1095

We create chemistry

general

Sovermol® 1095 is a polyol used in the manufacturing of polyurethanes

- High renewable raw material content
- High Hardness – Similar to epoxy systems
- Hard elastic performance

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, viscous 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 (DGF C-III 13A)	<= 0.2%
Acid number (DGF C-V 2)	<= 2.0 mg KOH/g
Hydroxyl number (DGF C-V 17A,B)	225 – 245 mg KOH/g
Viscosity (25 °C) (DIN 53015)	1700 – 2300 mPa·s
Density (25 °C) (DGF C-IV 2B (52))	1,00 - 1,01 g/cm^3

Application

In combination with Polymer MDI Sovermol® 1095 can be used for the production of 2-pack PU coating, casting materials.

Application example (without filler)	100 g Sovermol® 1095 5 g Zeolith paste 58 g Polymer MDI*

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

Gel time at 23°C approx. 72 min (30g mass).

Shore hardness (ISO 868) (storage/room temperature)	A	D
after 1 day	95	54
after 2 days	99	76
after 3 days	-	-
after 7 days	-	-
after 14 days	100	87
after 28 days	100	89

Technical Data

	Sovermol® 1095 in combination with Polymer MDI*
Shore D hardness RT (ISO 868)	
after 1 day	54
after 2 days	76
after 3 days	-
after 7 days	-
after 14 days	87
after 28 days	89
Mixing ratio	100:58
Geltime in hours Coesfield	01:12
Tensile strength in MPa (ISO 527-3 Typ5))	46
Elongation in % (ISO 527-3 Typ5)	4
Tear resistance in N/mm (ISO 34-1)	25
Bending strength in MPa (DIN EN ISO 178)	62
Impact resistance in mJ/mm² (DIN 53453)	22

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

Registration / Regulatory Information

Approvals

Food contact status
FDA CFR 21 § 176.170; 176.180; 176.210

Regulatory Status

AICS (Australia)	●
ENCS (JP)	●
EINECS (EU)	●
TSCA (USA)	●
DSL (Canada)	●
PICCS (Philippines)	●
IECSC (China)	●
KECL (Korea)	●
NZIoC (New Zealand)	○

● 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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