

Sovermol[®] 1005

general

Sovermol[®] 1005 is a polyol used in the manufacturing of polyurethanes

- Soft elastic performance
- Plasticizer for polyols
- Hydrophobic
- Raw materials are registered in EU-Directive 2002/72/EG resp. 2007/19/EC as amended
- High renewable raw material content

chemical nature

Slightly branched aliphatic diol

Properties

physical form

Yellow, low viscous 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)	< 3.0
Hydroxyl number (ISO 4326)	117 – 130 mg KOH/g
Viscosity (dynamic) (20 °C) (ISO 2555 (MOD.))	600 – 800 mPa·s
Density (25 °C) (DGF C-IV 2B (52))	0,94 – 0,96 g/cm ³

Application

In combination with Polymer MDI Sovermol® 1005 can be used for the production of 2 pack coating, floorings and adhesives. Especially as plasticizing Co-polyol.

Mixing Formulation (without filler)

100 g Sovermol® 1005
5 g Zeolith paste
30 g Polymer MDI*

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

Gel time at 23°C approx. 107 min (30g mass).

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

	A	D
after 1 day	-	-
after 2 days	4	-
after 3 days	-	-
after 7 days	-	-
after 14 days	22	-
after 28 days	38	10

Technical Data

Sovermol® 1005 in combination with

Polymer MDI*

Shore A hardness RT (ISO 868)

after 1 day	-
after 2 days	4
after 3 days	-
after 7 days	-
after 14 days	22
after 28 days	38

Mixing ratio 100:30

Geltime in hours Coesfield 01:47

Tensile strength in MPa
(ISO 527-3 Typ5) 1

Elongation in % (ISO 527-3 Typ5) 24

Tear resistance in N/mm
(ISO 34-1) 3

Bending strength in MPa
(DIN EN ISO 178) 0,3

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

Registration / Regulatory Information

Regulatory Status

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

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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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