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Sovermol® 1093

Product description

Sovermol® 1093 is a polyol used in the manufacturing of polyurethanes.

Key benefits

- High renewable raw material content
- High Hardness
- Hydrophobic performance
- 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.

Technical data
(not supply specification)

Water content	ISO 4317	< 0.2 %
Acid number	ISO 660	< 2.0 mg KOH/g
Hydroxyl number	DIN 53240-98	218 – 240 mg KOH/g
Viscosity, dynamic, 25 °C	ISO 2555	2,200 – 2,800 mPa.s
Viscosity, dynamic, 23 °C	ISO 2555	2,600 – 3,400 mPa.s
Density, 25 °C	ISO 2811-3	0.99 – 1.01 g/cm³

Application

In combination with Polymer MDI Sovermol® 1093 can be used for the production of 2-pack PU coating, casting materials and adhesives.

In addition, Sovermol® 1093 shows particular water repellency, which results in less sensitivity to moisture while curing.

Mixing formulation	100 g Sovermol® 1093
(without filler)	5 g Zeolith Paste
	55 g Polymer MDI*

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

Technical Data

	Sovermol® 1093 in combination with Polymer MDI*
Shore D hardness RT (ISO 868)	
after 1 day	60
after 2 days	–
after 3 days	–5
after 7 days	85
after 14 days	87
after 28 days	87
Mixing ratio	100:55
Geltime in hours Coesfield	00:59
Tensile strength in MPa (ISO 527-3 Typ 5)	43
Elongation in % (ISO 527-3 Typ 5)	4
Tear resistance in N/mm (ISO 34-1)	22
Bending strength in MPa (DIN EN ISO 178)	54
Impact resistance in mJ/mm² (DIN 53453)	34

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

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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