

Sovermol[®] 908

Product description Sovermol[®] 908 is a polyol used in the manufacturing of polyurethanes

- Key benefits**
- Hard elastic performance
 - Crack – bridging coatings
 - Hydrophobic
 - Good saponification stability
 - High renewable raw material content

Chemical nature Aliphatic dimer alcohol

Properties

Physical form Colorless to yellowish, clear, medium viscous liquid

Technical data (not supply specification)	Water content	DIN 51 777 T2-T4	≤ 0.2 %
	Acid number	DIN EN ISO 2114 (2002)	≤ 0.2
	Hydroxyl number	DIN 53 240-98	200 - 212 mg KOH/g
	Viscosity, dynamic (25 °C)	ISO 2555 (MOD.)	1,800 – 2,800 mPa·s
	Color Hazen	DIN ISO 6271	≤ 50

Application

In combination with Polymer MDI Sovermol® 908 can be especially used for the production of TPU, elastomers and PUR emulsions

Mixing formulation (without filler)

100 g Sovermol® 908

5 g Zeolith paste

50 g Polymer MDI*

e.g. Lupranate M20S – BASF Polyurethanes

Gel time at 23 °C, approx. 12 min. (30 g mass)

Shore hardness
(storage/room temperature)

	A	D
after 1 day	66	24
after 2 days	78	34
after 3 days	–	–
after 7 days	–	–
after 14 days	84	40
after 28 days	84	42

Technical Data

Sovermol® 908 in combination with Polymer MDI*

Shore A/D hardness RT
(ISO 868)

after 1 day	66/24
after 2 days	78/34
after 3 days	–/–
after 7 days	–/–
after 14 days	84/40
after 28 days	84/42

Mixing ratio

100:50

Geltime in hours
(Coesfield)

00:12

Tensile strength in MPa
(ISO 527-3 Typ 5)

14

Elongation in %
(ISO 527-3 Typ 5)

122

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

38

Bending strength in MPa
(DIN EN ISO 178)

1

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

**Sovermol® 818 (60 parts) & Sovermol® 908 (40 parts)
+ Zeolith paste (5 parts) & Perenol E8 (1part)
in combination with MDI prepolymer (NCO = 23 %)**

Shore D hardness RT (ISO 868)	after 1 day	45
	after 2 days	–
	after 3 days	–
	after 7 days	–
	after 14 days	–
	after 28 days	70
	Mixing ratio	105:72
Geltime in hours (Coesfield)	00:25	
Impact resistance (DIN 53453)	160	
Elongation in % (ISO 527-3 Typ 5)	140	
Tear resistance in N/mm (ISO 34-1)	105	
Taber abrasion (CS 17/1000r) (DIN 53754)	28	

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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