Technical Information

Sovermol® 908

We create chemistry

general	Sovermol® 908 is a polyol used in the manufacturing of polyurethanes • 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
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 (DIN 51777 T2-T4)	< 0.2%
Acid number (DIN EN ISO 2114 (2002))	< 0.2
Hydroxyl number (DIN 53240-98)	200 – 212 mg KOH/g
Viscosity (dynamic) (25 °C) (ISO 2555 (MOD.))	1800 – 2800 mPa·s
Color number (DIN ISO 4630)	< 1

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 M 20 S – BASF Polyurethanes

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

Shore hardness (ISO 868) (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 Typ5))	14
Elongation in % (ISO 527-3 Typ5)	122
Tear resistance in N/mm (ISO 34-1)	38
Bending strength in MPa (DIN EN ISO 178)	1

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

	Sovermol® 818 (60 parts) & Sovermol® 908 (40 parts) + Zeolith paste (5 parts) & Perenol E8 (1 part) 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 Typ5)	140
Tear resistance in N/mm (ISO 34-1)	105
Taber abrasion (CS 17/1000r) (DIN 53754)	28

Registration / Regulatory Information

Regulatory Status

AICS (Australia)	○
ENCS (JP)	○
EINECS (EU)	●
TSCA (USA)	●
NDSL (Canada)	●
PICCS (Philippines)	○
IECSC (China)	●
ECL (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.

BASF SE
Dispersions & Resins Europe
67056 Ludwigshafen, Germany
www.basf.com/resins