TECHNICAL DATA SHEET



HANSA SFA 11340 Hydride modified siloxanes

Property

Test Method

Value

Description

Property	restmethou	value
Product Color Hydride content % Molecular weight g/mol		Transparent 0.03 % 24000 g/mol
Non-Volatile Content (%)		> 99
Shelf Life		12 mths
Ultralow cyclic content		Yes
Viscosity	Brookfield	2000 cP
Uncured Product Cure Type		Additon cure
Cured Product Density	BS ISO 2781	0.97 g/cm3
Solubility Solubility - Water		insoluble
	Color Hydride content % Molecular weight g/mol Non-Volatile Content (%) Shelf Life Ultralow cyclic content Viscosity Uncured Product Cure Type Cured Product Density Solubility	Product Color Hydride content % Molecular weight g/mol Non-Volatile Content (%) Shelf Life Ultralow cyclic content Viscosity Brookfield Uncured Product Cure Type Cured Product Density BS ISO 2781

component beforehand. Especially when using filled system, a hydride excess is needed.

When handling Si-H containing materials make sure to use equipment with dedicated charging and vents systems to prevent contamination with other materials that promote side reactions and the generation of hydrogen gas. For more information see the MSDS.

Reactions of Si-H materials are usually exothermic and depending on the concentration of the Si-H material in the system. When producing organo-modified silicone products it is important to monitor the temperature early in the reaction step to avoid a potentially dangerous situation.

When formulating addition curing elastomers make sure that the platinum catalyst is not in the same component as the Si-H fluid.

All materials of the HANSA SFA 1 series are stable at ambient temperature under the exclusion of water.

Health & Safety

Si-H modified silicone compounds are reactive under certain conditions and care is required when handling these materials. They may evolve hydrogen on contact or when mixed with strong acids or bases; amines; primary or secondary alcohols and water in the presence of acids, bases, or catalytic metals; some catalytic and reactive metals; or metal salt forming compounds. When contacting these materials, Si-H compounds can rapidly evolve hydrogen gas and form flammable and explosive mixtures in air. Si-H products used in platinum-catalyzed addition-curing systems, such as Si-H elastomers, can also release flammable and explosive hydrogen gas if these products are combined with each other or with incompatible materials.

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CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht-silicones.com

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