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Hydride Terminated Polydimethylsiloxane

CAS:70900-21-9

DESCRIPTION

Hydride terminated polydimethylsiloxane contains highly active Si-H bonds and is the basic raw material for the synthesis of SRS modified silicone oil, such as polyether-modified silicone oil and alkyl-modified silicone oil. It is also a cross-linking agent for addition-type silicone rubber.

TYPICAL PROPERTIES

Model	Appearance	Viscosity (25°C),mm ² /s	H% (wt)	Volatile content (150°C, 1h),%
DH-005	colorless transparent liquid	40-60	0.04-0.06	≤15
DH-010	colorless transparent liquid	15-25	0.09-0.11	≤15
DH-018	colorless transparent liquid	5-10	0.16-0.20	≤20
DH-026	colorless transparent liquid	1-10	0.24-0.28	≤30
DH-005t	colorless transparent liquid	50-70	0.04-0.06	≤2.0 (150°C, 3h),%
DH-010t	colorless transparent liquid	15-30	0.09-0.11	≤3.0
DH-018t	colorless transparent liquid	5-15	0.16-0.20	≤10
DH-026t	colorless transparent liquid	1-10	0.24-0.28	≤10

For more specifications, please email us for details.

Low cyclosiloxane electronic grade series

Model	CAS No.	Appearance	Viscosity (25°C)mm ² /s	H% (wt)	Volatile content (150°C,1h),%	D3,D4,D5,D6 Content PPM
HHD-014	70900-21-9	colorless transparent liquid	12-16	0.12-0.16	≤1	<1000

USES AND APPLICATION

Hydride terminated polydimethylsiloxane is not only the basic raw material for synthesizing SRS modified silicone oil such as polyether-modified silicone oil, alkyl-modified silicone oil, but also a kind of cross-linking agent for addition-type silicone rubber. It is the basic intermediate raw material for hydrosilylation reaction and is often used to manufacture various end-group reactive linear modified silicone oils. It is a key intermediate for block copolymerization reaction. The product can be as a chain extender for addition type liquid silicone rubber and cross-linking agent for addition type thermally vulcanized silicone rubber, which can improve the product's elongation at break, increase toughness, and reduce hardness. The starting material of organic polymer modified materials, often used in modification reactions of plastic resins, etc.

SAFETY

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

STORAGE AND SHELF LIFE

After sealing packaging products stored in a cool, dry place, Hydride terminated polydimethylsiloxane (Unbroken package) has a shelf life of 12 months from date of manufacture. After the expiration date, we can retest it, and if it meets the requirement, we can still use it. Hydride terminated polydimethylsiloxane is transported as a non-hazardous chemical.

PACKAGING

Hydride terminated polydimethylsiloxane is available in 200 kg/1000 kg plastic drum.

LEGAL DISCLAIMER

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