



JIANGXI HITO SILICONE MATERIALS CO.,LTD

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## Poly(dimethylsiloxane),Vinyl dimethylsiloxo

### Terminated

CAS: 68083-19-2

#### DESCRIPTION

Poly(dimethylsiloxane),vinyl dimethylsiloxo terminated is vinyl terminated polydimethylsiloxane, which is an excellent and active intermediate material.In addition to the general properties of methyl silicone oil, it is not only the basic raw material for the synthetic high temperature vulcanized silicone rubber(HTV), with cross-linking agent,reinforcing agent,coloring-agent,structure-forming agent and others to prepare high temperature vulcanized silicone rubber,but also the main material for liquid silicone rubber and injection thermoformed silicone rubber.Compared with vinyl branched silicone oil, the molecule has no pendant chain segments.It contains active double bonds,which is easy to react with polyurethane, acrylic acid and other organic materials.

#### TYPICAL PROPERTIES

Model	CAS No.	Appearance	Viscosity (25°C)	Vinyl content%	Volatile content (150°C, 3h),%
V-100000	68083-19-2	colorless transparent liquid	90000-110000mpa.s	0.06-0.08	≤1.0
V-60000		colorless transparent liquid	50000-70000mpa.s	0.07-0.09	≤1.0
V-20000		colorless transparent liquid	15000-30000mpa.s	0.10-0.12	≤1.0
V-10000		colorless transparent liquid	9500-15000mpa.s	0.12-0.16	≤1.0
V-3500		colorless transparent liquid	3500-4500mpa.s	0.18-0.22	≤1.0
V-1000		colorless transparent liquid	900-1500mm <sup>2</sup> /s	0.3-0.34	≤1.0
V-500		colorless transparent liquid	450-600mm <sup>2</sup> /s	0.41-0.45	≤1.0

V-350		colorless transparent liquid	300-450mm <sup>2</sup> /s	0.48-0.52	≤1.0
V-100		colorless transparent liquid	70-150mm <sup>2</sup> /s	1.02-1.08	≤1.5
For more specifications, please email us for details.					

**Low cyclosiloxane electronic grade series:**

Model	CAS No.	Appearance	Viscosity (25℃)	Vinyl content %	Volatile content (200℃, 4h),%	D3-D10 Content PPM
HV-100	68083-19-2	colorless transparent liquid	100-200mm <sup>2</sup> /s	1.02-1.08	≤0.2 (150℃, 3h)	≤500
HV-350			350-450mm <sup>2</sup> /s	0.48-0.52	≤0.5	≤300
HV-500			500-600mm <sup>2</sup> /s	0.41-0.45	≤0.5	≤300
HV-1000			900-1500mm <sup>2</sup> /s	0.30-0.34	≤0.5	≤300
HV-3500			3500-4500mpa.s	0.18-0.22	≤0.5	≤300
HV-10000			9500-15000mpa.s	0.12-0.16	≤0.5	≤300
HV-20000			20000-35000mpa.s	0.09-0.11	≤0.5	≤300
HV-60000			55000-75000mpa.s	0.07-0.09	≤0.5	≤300
HV-100000			95000-115000mpa.s	0.06-0.08	≤0.5	≤300
For more specifications, please email us for details.						

**Ultra-low volatile content series:**

Model	Viscosity (25℃),mm <sup>2</sup> /s	Vinyl content%	Volatile content%	Test condition
HV-100E	100-200	1.0-1.05	≤0.05	150℃/3h
			≤0.20	200℃/4h
HV-350E	350-450	0.48-0.52	≤0.05	200℃/4h
HV-500E	500-700	0.41-0.45	≤0.05	200℃/4h
HV-1000E	900-1500	0.30-0.34	≤0.05	200℃/4h

### **USES AND APPLICATION**

It is the main raw material for additional liquid silicone rubber, silicone gel, 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, Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated (Unbroken package) has a shelf life of 24 months from date of manufacture. After the expiration date, we can retest it, and if it meets the requirement, we can still use it. Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated is transported as non-hazardous chemicals.

### **PACKAGING**

Poly(dimethylsiloxane), vinyl dimethylsiloxy terminated is available in 200 kg/1000 kg plastic drum.

### **LEGAL DISCLAIMER**

Hito chemical believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Hito Chemical, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.



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