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Methylhydrosiloxane-Dimethylsiloxane Copolymer

CAS: 68037-59-2

DESCRIPTION

Methylhydrosiloxane-Dimethylsiloxane Copolymer can, at low temperatures under the catalytic effect of metal salts catalysts, form a waterproof film on the surface of various substrates through cross-linking. It can be used as a water repellent, anti-sticking agent or anti-corrosion agent for fabric, glass, ceramic, paper, leather, metal, cement, marble and other materials. Shared with methyl hydroxyl silicone oil emulsion, it can be waterproof while maintaining the breathability of fabric, improve the tear strength, friction strength and antifouling properties of fabrics, and improve the feel and stitching performance of fabric. Besides that, **Methylhydrosiloxane-Dimethylsiloxane Copolymer** can be as a kind of paper agent of anti-stick release and cross-linking. Hydro-silicone oil contains highly active Si-H bonds and is the basic raw material for the synthesis of modified silicone oil, such as polyether-modified silicone oil and alkyl-modified silicone oil.

TYPICAL PROPERTIES

Methylhydrosiloxane-Dimethylsiloxane Copolymer:

Model	Appearance	Viscosity (25°C),mm²/s	H% (wt)	Volatile content (150°C, 3h),%
H-010-180	colorless transparent liquid	150-250	0.09-0.11	≤11 (150°C, 1h),%
H-018-90	colorless transparent liquid	70-100	0.16-0.20	≤11 (150°C, 1h),%
H-018-120	colorless transparent liquid	70-150	0.16-0.20	≤11 (150°C, 1h),%
H-036-120	colorless transparent liquid	70-150	0.34-0.38	≤11 (150°C, 1h),%
H-075-100	colorless transparent liquid	50-150	0.73-0.77	≤11 (150°C, 1h),%
B-018Y-120	colorless transparent liquid	50-200	0.16-0.20	≤11 (150°C, 1h),%

B-036-120	colorless transparent liquid	50-200	0.34-0.38	≤11 (150°C, 1h),%
H-005t-50	colorless transparent liquid	40-80	0.04-0.06	≤3.0
H-005t-120	colorless transparent liquid	100-150	0.04-0.06	≤3.0
H-010t-130	colorless transparent liquid	100-150	0.10-0.12	≤1.0
H-018t-120	colorless transparent liquid	100-150	0.16-0.20	≤1.0
H-020t-130	colorless transparent liquid	100-150	0.18-0.22	≤1.0
H-036t-90	colorless transparent liquid	85-105	0.34-0.38	≤1.0
H-036t-120	colorless transparent liquid	100-150	0.34-0.38	≤1.0
H-050t-120	colorless transparent liquid	100-150	0.48-0.52	≤1.0
H-052t-50	colorless transparent liquid	20-80	0.50-0.54	≤1.0
H-075t-120	colorless transparent liquid	70-150	0.73-0.77	≤1.0
H-100t-80	colorless transparent liquid	50-100	0.97-1.03	≤1.0
H-120t-60	colorless transparent liquid	20-80	1.17-1.23	≤1.0
H-140t-40	colorless transparent liquid	20-60	1.35-1.45	≤2.0

For more specifications, please email us for details.

Low cyclosiloxane electronic grade series:

Model	Appearance	Viscosity (25°C)mm²/s	H%(wt)	Volatile content (150°C, 3h),%	D3-D6 Content ppm
HH-010-130	colorless transparent liquid	100-150	0.09-0.11	≤0.2	<300
HH-018-120	colorless transparent liquid	100-150	0.16-0.20	≤0.2	<300
HH-036-120	colorless transparent liquid	100-150	0.34-0.38	≤0.2	<300
HH-075-120	colorless transparent liquid	70-150	0.73-0.77	≤0.2	<300

For more specifications, please email us
for details.

USES AND APPLICATION

It can be as a cross-linking agent for addition-type silicone rubber, and be used for hydrophobic treating of materials.

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, Methylhydrosiloxane-Dimethylsiloxane Copolymer (**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. Methylhydrosiloxane-Dimethylsiloxane Copolymer is transported as a non-hazardous chemical.

PACKAGING

Methylhydrosiloxane-Dimethylsiloxane Copolymer 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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