LANDU

Technical data sheet
TDS-NOVERA-5010-L-EN
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LANDUSIL NOVERA

5010-L

Vinyl-Functional Silicone Resin

Vinyl-functional silicone resin for addition-cure adhesives, gels and electronic potting

Chemical identity

Chemical name
Vinyl-functional silicone resin

CAS number
See SDS

Reactive group
Vinyl

Physical form
Liquid

Product description

LANDUSIL NOVERA 5010-L is a vinyl-functional silicone resin with a branched, non-MQ siloxane structure, supplied as a clear liquid.

It takes part in platinum-catalysed addition cure. It is used in assembly adhesives, reactive silicone bases, electronic gels, potting materials and technical fabric coatings.

Features and benefits

- Vinyl-functional branched resin
- Addition-cure reactivity
- Clear liquid
- Compatible with vinyl fluids
- Low volatile content

Specification

Property	Unit	Value	Test method
Appearance		**Clear liquid**	Visual
Viscosity, 25 °C	mPa·s	**800 – 1,000**	Rotational viscometer
Vinyl content	%	**1.3 – 1.4**	Titration

Tested on every batch and reported on the Certificate of Analysis.

Typical properties

Volatile content	max. 1.0 %
Structure	Non-MQ, linear or branched

For guidance only; not part of the specification.

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Applications

Addition-cure assembly adhesives
Vinyl component in adhesives.

Electronic silicone gels
Vinyl component in gels.

Technical fabric coatings
Coating component.

Reactive silicone base preparation
Reactive base component.

Elastomeric electronic potting
Potting resin component.

Guidelines for use

Formulation	Blend with Si–H crosslinker and platinum catalyst; balance functional groups to the base polymer.
Contamination	Avoid tin, sulfur and amine contamination that can inhibit cure.

These levels are starting points. Determine the optimum level and method in trials under your own conditions.

Handling and safety

- Wear gloves and eye protection; avoid skin and eye contact.
- Keep away from heat and ignition sources; use with ventilation.
- Read the Safety Data Sheet before use.

Storage and shelf life

Store in tightly closed original containers in a cool, dry place, protected from moisture. Shelf life is 12 months from the date of manufacture in unopened containers.

Packaging

25 kg plastic drum, 200 kg steel drum, 1,000 kg IBC. Other pack sizes on request.

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