LANDU

Technical data sheet
TDS-NOVERA-7060-L-EN
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LANDUSIL NOVERA

7060-L

Hybrid Siloxane for Resin Blending

Hybrid siloxane for blending into epoxy coatings, adhesives and composite matrices

Chemical identity

Chemical name
Hybrid polysiloxane for resin blending

CAS number
See SDS

Reactive groups
Epoxy, siloxane

Physical form
Liquid

Product description

LANDUSIL NOVERA 7060-L is a liquid hybrid siloxane designed to be blended into epoxy and other organic resin systems. It is a clear liquid with controlled viscosity.

It is used in industrial protective coatings, epoxy assembly adhesives, epoxy fiber infusion matrices and prepreg and laminate binder studies.

Features and benefits

- Blendable hybrid siloxane
- Controlled viscosity
- Adds flexibility and hydrophobicity
- Suited to infusion and prepreg studies
- Epoxy reactivity for cure

Specification

Property	Unit	Value	Test method
Appearance		**Clear to slightly hazy liquid**	Visual
Viscosity, 25 °C	mPa·s	**2,000 – 6,000**	Rotational viscometer

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

Typical properties

Epoxy equivalent weight	180 – 250 g/eq
Viscosity	2,500 – 4,000 mPa·s

For guidance only; not part of the specification.

Applications

Industrial protective coatings
Co-binder in coatings.

Siloxane modification of epoxy adhesives
Flexibilising component.

Prepreg and laminate binder studies
Binder component.

Epoxy assembly adhesives
Modifier for adhesives.

Epoxy fiber infusion matrices
Matrix modifier.

Guidelines for use

Receiving binder	Select the binder around measured viscosity, carrier and actual functionality.
Blending	Blend and check clarity; add hardener last.

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

Handling and safety

- Epoxy compounds can cause skin sensitization; avoid skin contact and wear gloves and eye protection.
- 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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