LANDU

**Technical data sheet**
TDS-NOVERA-2080-L-EN
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LANDUSIL NOVERA

# 2080-L

## Phenyl Polysiloxane Co-Condensation Intermediate

Reactive phenyl polysiloxane intermediate for hybrid binders and modified polyesters

### Chemical identity

Chemical name
**Phenyl polysiloxane, reactive intermediate**

CAS number
**See SDS**

Reactive group
**Silanol / alkoxy**

Physical form
**Liquid**

## Product description

LANDUSIL NOVERA 2080-L is a reactive phenyl polysiloxane intermediate supplied as a clear liquid. It is designed to be co-condensed with organic resins.

It is used to prepare silicone-modified polyesters and alkyds, epoxy–siloxane hybrid resins and binders for pre-coated metal and heat-resistant filled bonds.

## Features and benefits

- Phenyl polysiloxane intermediate
- Co-condenses with organic resins
- Clear liquid
- Improves heat and weather resistance
- Suited to hybrid and modified binders

## Specification

| Property | Unit | Value | Test method |
|---|---|---|---|
| Appearance | | **Clear liquid** | Visual |
| Volatiles, 150 °C | % | **max. 3.0** | Gravimetric |

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

## Typical properties

| | |
|---|---|
| Reactive groups | To be defined with the receiving resin |
| Reference density | approx. 1.0 – 1.2 g/cm³ |

For guidance only; not part of the specification.

## Applications

**Polyester and alkyd modification**
Silicone-modified polyester and alkyd.

**Epoxy–siloxane hybrid resin preparation**
Intermediate for hybrid resins.

**Filled heat-resistant bonding systems**
Reactive resin phase for filled bonds.

**Modified binders for pre-coated metal**
Binder modification for pre-coated metal.

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## Guidelines for use

| | |
|---|---|
| **Reaction partner** | Define the reactive group and receiving resin before preparing the binder. |
| **Process** | Co-condense at moderate temperature, remove volatiles and test the prepared binder. |

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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