LANDU

**Technical data sheet**
TDS-NOVERA-2060-L-HP-EN
Revision 1.0, November 2026

LANDUSIL NOVERA

# 2060-L-HP

## Phenyl Silicone Resin for Optics

High-purity phenyl silicone resin for LED, optical and electronic formulations

### Chemical identity

Chemical name
**Phenyl silicone resin, high purity**

CAS number
**See SDS**

Refractive index (25 °C)
**approx. 1.50**

Physical form
**Liquid**

## Product description

LANDUSIL NOVERA 2060-L-HP is a high-purity phenyl silicone resin supplied as a clear liquid with a high refractive index. Contamination is controlled for optical and electrical use.

It is used in LED and optical silicone formulations, coil impregnation varnishes, electronic protective coatings and filled bonding systems.

## Features and benefits

- High refractive index
- High-purity grade
- Heat and UV stable phenyl resin
- Clear liquid for optical systems
- Low outgassing

## Specification

| Property | Unit | Value | Test method |
|---|---|---|---|
| Appearance | | **Clear, light straw-coloured liquid** | Visual |
| Refractive index, 25 °C | – | **1.500 – 1.505** | Abbe refractometer |
| Volatiles, 150 °C / 1 h | % | **max. 1.0** | Gravimetric |

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

## Typical properties

| | |
|---|---|
| Phenyl MQ refractive index (reference) | 1.530 – 1.542 |
| Application note | LED and optical materials |

For guidance only; not part of the specification.

## Applications

**LED and optical silicone formulations**
High-index component for LED silicones.

**Coil impregnation varnishes**
Base resin for insulation varnish.

**Electronic protective coatings**
Protective film binder.

**Filled bonding systems**
Resin phase for filled bonds.

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## Guidelines for use

| | |
|---|---|
| **Cleanliness** | Use clean transfer equipment; measure extractable ions on your own samples. |
| **Cure** | Choose the cure chemistry (condensation or addition) with the receiving system. |

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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