LANDU

Technical data sheet
TDS-NOVERA-2090-P-EN
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LANDUSIL NOVERA

2090-P

Phenyl Silicone Resin Powder

Solid phenyl silicone resin powder for powder coating binders, filled bonds and composites

Chemical identity

Chemical name
Phenyl silicone resin, solid

CAS number
See SDS

Silicone content
approx. 100 %

Physical form
Powder

Product description

LANDUSIL NOVERA 2090-P is a solvent-free solid phenyl silicone resin supplied as a powder. It is compatible with other organic resins and can be used alone or blended.

It is used in powder coating binders, heat-resistant coatings, filled bonding materials, heat-exposed resin composites and insulation varnishes.

Features and benefits

- Solvent-free solid resin
- Compatible with organic resins
- Suited to powder processing
- Heat and weather resistant
- Soften and cure on heating

Specification

Property	Unit	Value	Test method
Appearance		**White to colourless powder**	Visual
Softening point	°C	**60 – 90**	Ring and ball
Hydroxyl content	%	**2.5 – 5.0**	Titration

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

Typical properties

Silicone content	100 %
Resin type	Ladder-type phenyl silicone resin

For guidance only; not part of the specification.

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Applications

Powder coating binders
Silicone binder for powder coatings.

Filled bonding materials
Resin phase for filled bonds.

Insulation varnish preparation
Base resin for insulation varnish.

Heat-resistant industrial coatings
Binder for heat-resistant coatings.

Heat-exposed resin composites
Matrix resin for heat-exposed composites.

Guidelines for use

Processing	Check particle handling, softening and curing behaviour before extrusion or grinding.
Dissolution	Can be dissolved in aromatic or ester solvents for solution use.

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

Handling and safety

- Control dust during charging; wear gloves and eye protection.
- Flake and powder resins can form flammable dust clouds; ground equipment.
- Read the Safety Data Sheet before use.

Storage and shelf life

Store in the original closed bags or drums in a cool, dry place; protect from heat, moisture and caking. Shelf life is 12 months from the date of manufacture in unopened containers.

Packaging

25 kg multi-wall paper bag with PE liner. Other pack sizes on request.

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