LANDU

Technical data sheet
TDS-NOVERA-2010-S-EN
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LANDUSIL NOVERA

2010-S

Solid Methyl Phenyl Silicone Resin

Solid methyl phenyl silicone resin flakes for coating binders and insulation formulations

Chemical identity

Chemical name
Methyl phenyl silicone resin, silanol-functional

CAS number
See SDS

Silicone content
> 98 %

Physical form
Solid flakes

Product description

LANDUSIL NOVERA 2010-S is a solvent-free, solid methyl phenyl silicone resin supplied as flakes. The silanol groups give reactivity with organic resins and self-condensation on cure.

It is dissolved, melted or dispersed into the receiving system. It is used for heat-resistant coatings, powder coating binders, mica and insulation binders and coil varnishes.

Features and benefits

- Solvent-free solid resin
- Silanol reactivity for cure and modification
- Heat-resistant methyl phenyl resin
- Choose solution, melt or dispersion route
- Improves heat stability and weathering

Specification

Property	Unit	Value	Test method
Appearance		**Colourless to yellowish flakes**	Visual
Softening point	°C	**55 – 80**	Ring and ball or capillary
Hydroxyl content	%	**3.5 – 7.0**	Titration

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

Typical properties

Silicone content	> 98 %
Supply form	Flakes

For guidance only; not part of the specification.

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Applications

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

Filled resin bonding
Resin phase in heat-resistant filled bonds.

Coil impregnation varnishes
Base resin for winding varnishes.

Powder coating binders
Solid silicone binder for powder coatings.

Mica and insulation paper binders
Binder for mica constructions.

Guidelines for use

Dissolution	Dissolve in aromatic solvent or melt at moderate temperature; test compatibility.
Cure	Use a condensation catalyst or heat cure as the system requires.

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 fiber drum or lined bag. Other pack sizes on request.

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