LANDUSIL NOVERA

3020-S

MQ Silicone Resin (Trimethylsiloxysilicate)

Solid MQ silicone resin, trimethylsiloxysilicate, for silicone PSA, resin blends and release coatings

Chemical identity

Chemical name
Trimethylsiloxysilicate

CAS number
56275-01-5

Silicone content
approx. 100 %

Physical form
White flakes

Product description

LANDUSIL NOVERA 3020-S is a solvent-free, solid trimethylsiloxysilicate (MQ) silicone resin supplied as white flakes. It is a three-dimensional silicate core capped with trimethylsiloxy groups.

It dissolves in silicone oils and aromatic or aliphatic solvents. It is used in silicone pressure-sensitive adhesives, silicone-rich coatings, silicone base formulations and release coatings.

Features and benefits

- Solvent-free MQ resin
- Soluble in silicone oils and solvents
- Tackifier and reinforcing resin
- Silicone PSA and release coatings
- Flake, easy to dissolve

Specification

Property	Unit	Value	Test method
Appearance		**White flakes or powder**	Visual
Non-volatile content	%	**min. 98.0**	Gravimetric, 150 °C

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

Typical properties

Specific gravity	approx. 1.23
Flash point	> 100 °C
Composition	100 % trimethylsiloxysilicate

For guidance only; not part of the specification.

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Applications

Silicone pressure-sensitive adhesives
Tackifying resin for silicone PSA.

Silicone base formulation
Reinforcing resin for silicone bases.

Composite mold release films
Release film component.

Silicone-rich coating formulations
Film-forming resin.

Paper and film release coatings
Component in release coatings.

Guidelines for use

Dissolution	Dissolve in the chosen silicone oil or solvent, up to 50 % or more.
Compatibility	Test compatibility with the receiving polymer at small scale.

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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