LANDU

Technical data sheet
TDS-DUVERA-3020-E-25-EN
Revision 1.0, November 2026

LANDUSIL DUVERA

3020-E-25

Amino Silicone Microemulsion

Water-dilutable amino silicone microemulsion for fabric hand feel and leather finishing

Composition

Chemical type
Aminoalkyl-functional polydimethylsiloxane

Emulsifier type
Nonionic

Solids content
25 ± 2 %

Physical form
Emulsion

Product description

LANDUSIL DUVERA 3020-E-25 is a nonionic microemulsion of an amino-functional polydimethylsiloxane with a solids content of about 25 %. The fine droplets give a translucent to clear appearance and good stability on dilution.

In finishing baths the amino groups attach the silicone to fiber and leather surfaces, which gives a soft, smooth hand. The emulsion is diluted with water and applied by padding, exhaustion or spraying, or added to pigment-printing and leather-finishing formulations.

Features and benefits

- Water-dilutable, ready for finishing baths
- Soft, smooth hand on many fiber types
- Fine droplets for stable dilution
- Also used in leather and print finishing
- Nonionic emulsifier system

Specification

Property	Unit	Value	Test method
Appearance		**Clear to translucent, colorless to light yellow liquid**	Visual
Solids content	%	**23 – 27**	Gravimetric
pH, 25 °C	–	**4.5 – 6.5**	pH meter

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

Typical properties

Emulsifier type	Nonionic
Centrifuge stability	No separation, 3,000 rpm / 20 min
Dilution	With water

For guidance only; not part of the specification.

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Applications

Fabric softening
Softening and hand-feel finishing of textiles.

Pigment-printing hand feel
Hand-feel additive for print pastes.

Leather finishing
Emulsified silicone component in leather coatings.

Emulsion formulation
Base emulsion for secondary formulations.

Guidelines for use

Dilution	Dilute with water under gentle stirring; avoid high shear and check bath pH.
Application	Apply by padding or exhaustion at a level set in trials, then dry and cure.

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

Handling and safety

- May cause eye and skin irritation; wear gloves and eye protection.
- Protect from frost and do not mix with anionic products without testing.
- Read the Safety Data Sheet before use.

Storage and shelf life

Store at 5 – 30 °C in tightly closed original containers; protect from frost and direct sunlight. 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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