LANDU

Technical data sheet
TDS-DUVERA-3010-L-EN
Revision 1.0, November 2026

LANDUSIL DUVERA

3010-L

Amino-Modified Silicone Fluid

Amino-functional silicone fluid for soft-hand textile finishing and care formulations

Composition

Chemical type
Aminoalkyl-functional polydimethylsiloxane

Functional group
Primary/secondary amine

Physical form
Liquid

Product description

LANDUSIL DUVERA 3010-L is a polydimethylsiloxane with pendant aminoalkyl groups. The amino groups anchor the silicone to fiber and hair surfaces, which gives a durable, soft and smooth hand.

The fluid is usually converted into a macro- or microemulsion before use. It is applied in textile finishing of cotton, wool, linen and silk, and serves as a conditioning raw material in hair care and surface care products.

Features and benefits

- Soft, smooth and durable hand
- Amino groups anchor to fiber surfaces
- Can be emulsified to macro- or microemulsions
- For cotton, synthetics, wool and blends
- Conditioning effect in hair care

Specification

Property	Unit	Value	Test method
Appearance		**Clear to light yellow, transparent to slightly hazy liquid**	Visual
Viscosity, 25 °C	mPa·s	**min. 500**	Rotational viscometer
Amine value	mmol/g	**0.50 – 0.60**	Titration

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

Typical properties

Specific gravity, 25 °C	approx. 0.93 – 1.00

For guidance only; not part of the specification.

Applications

Textile finishing
Softener for cotton, wool, linen, silk and synthetics.

Fiber finishing
Smoothness and hand for fibers and yarns.

Hair care
Conditioning raw material for shampoos and conditioners.

Surface care
Polishes for leather, wood and flooring.

Guidelines for use

Emulsification	Emulsify with nonionic surfactants and adjust pH with a weak acid to obtain stable emulsions.
Application	Apply the emulsion by padding or exhaustion; set the level in trials.

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.
- Avoid release to the environment.
- Read the Safety Data Sheet before use.

Storage and shelf life

Store in tightly closed original containers in a cool, dry place, protected from air and 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.

The information in this data sheet reflects our current knowledge and is given in good faith. It is not a guarantee of properties or of suitability for a particular use, and it does not release users from testing the product for their own application and process. Users are responsible for complying with applicable laws, regulations and third-party rights. Only the values under Specification are binding, as confirmed on the Certificate of Analysis. This edition supersedes all previous editions. For safety information, see the current Safety Data Sheet. © 2026 LANDUSIL. All rights reserved. LANDUSIL and its product series names are trademarks of LANDUSIL. No part of this document may be reproduced, modified or redistributed without prior written permission.