
Technical Data Sheet

Ultralube® PE-30
Ultralube® PE-40

Ultralube® PE

Ultra-stable high-density polyethylene wax emulsions.

Ultralube® PE is an extremely stable high density polyethylene emulsion concentrate, based on modified oxidized PE waxes, which imparts softness, lubricity, smoothness and improves sewability after cutting.

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Product

The **Ultralube® PE** is a non-ionic lubricant and sewability improver, based on an oxidized polyethylene wax emulsion, which imparts smoothness and improves the seam after cutting. It is specially designed to reduce the coefficient of friction in posterior processes regarding cutting and sewing.

Benefits

Increases the sliding properties of yarns and thus significantly improves the sewability of knit goods and other textile constructions. The fibres or threads of the finished goods can readily evade the sewing needle and fibre/metal friction is considerably reduced. On high speed machines problems with hole formation, stitch damage, needle and thread breakages are largely avoided. The product's nature, significantly reduces the penetration force during needling and promotes intertwining of the fibres so that the number of needle breakages is reduced to a minimum.

The degree of whiteness of brightened textiles is virtually unaffected by treatment with **Ultralube® PE**

During sublimation, **Ultralube® PE** exhibits no sublimation even at the high temperatures in shock curing. It causes no contamination of the stenter-frame.

Characteristics

It confers a very soft and voluminous touch
 Excellent maintenance of the absorption properties of hydrophilic tissues.
 Improves the anti-wrinkle properties.
 Improves properties for cutting.
 Does not affect the degree of whiteness of brightened goods
 Effects are resistant to mild washing.
 It imparts lubricity.

Parameters

Parameters	Description
Appearance	White emulsion, liquid form
Solubility	Easily soluble in water
Compatibility with hard water	Resistant to hard water
pH	6 ± 0.5
Ionic Character	Non-ionic
Chemistry	Polyethylene dispersion

Application	Cotton/ Cellulosic Fibres	Polyester/ Synthetic Fibres
	Continuous Application (Foulard/ Pads)	Continuous Application (Foulard/ Pads)
	Economic Finish: 10 - 20 g/L	Economic Finish: 10 - 15 g/L
	Performance Finish: 30 - 50 g/L	Performance Finish: 30 - 50 g/L

Performance Profile	Parameters	Ultralube® PE-40	Ultralube® PE-30
	Appearance	White emulsion, Viscous	White emulsion, Viscous
	Solubility	Easily soluble in water	Easily soluble in water
	Stability to cationics	Very Good	Very Good
	pH	6 ± 0.5	6.5 ± 0.5
	Ionic Character	Non-ionic	Non-ionic
	Chemistry	Polyethylene dispersion	Polyethylene dispersion
	Total Solids	40%	30%

Packaging **Ultralube® PE** can be delivered in 200kg drums, or 1000 kg totes.

The above recommendations are based on extensive results done in the most professional manner. The user must try this product industrially first, to verify if the product is viable for further use. The technical information and application advice given in this **Novachem** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. These results however verified and certified by a third party, do not hold us liable in terms of performance deviations. These tests have been conducted in controlled environments. The user is responsible for checking the suitability of products for their intended use.

For further information and to request samples, please visit [novachemgroup.com](http://www.novachemgroup.com) where a qualified technician will assist you.

URL:// www.novachemgroup.com

Ultralube® is a registered trademark of Novachem, in certain countries*.

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