



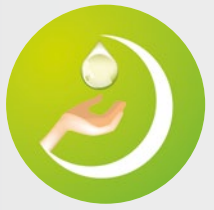
LISSOLFIX

Coning Oils for throwing
and yarn processing





Homogeneous and reliable quality worldwide



LISSOLFIX benefits of Total's strict international quality standards (ISO 9001 Certification). Helping you satisfy your own quality commitments by maintaining unvarying quality worldwide.

LISSOLFIX performance

PROTECTING YARNS

against friction

LISSOLFIX helps limit yarn breakage and quality flaws by reducing yarn/metal and yarn/yarn friction, so your yarn can satisfy your customers' requirements

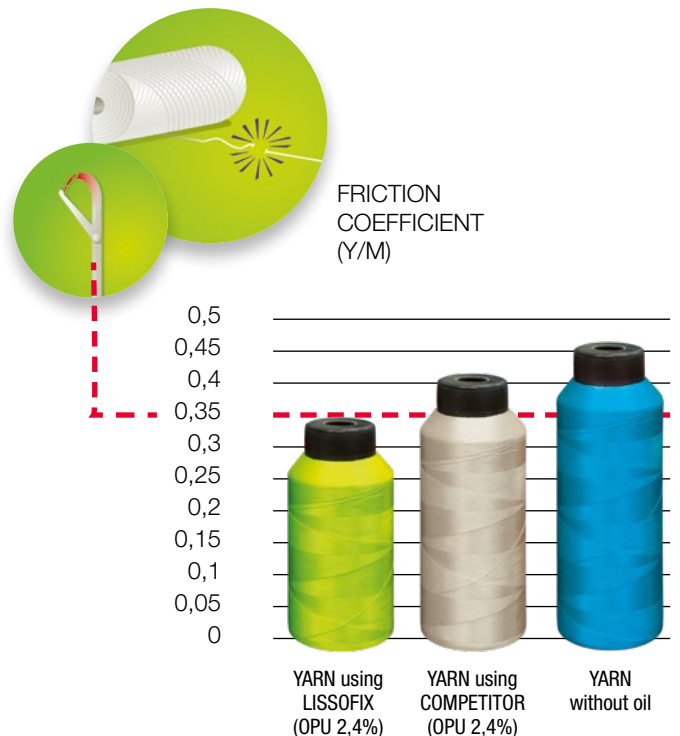
against static electricity

Thanks to its antistatic properties, LISSOLFIX lowers static electricity's impact on yarns by improving its evacuation.

LISSOLFIX

A full range of reliable and performing coning oils

Throwing processes such as texturizing, warping, covering or twisting are likely to strain yarns, creating quality problems on your production output. LISSOLFIX Coning Oils help you satisfy your customers' requirements.



Compliance with ecological and toxicological standards

- LISSOLFIX formulas are free from ALKYLPHENOL ETHOXYLATES (APEO's)
- LISSOLFIX formulas are guaranteed compliant with OEKO-TEX® standard 100 lists of chemicals
- LISSOLFIX formulas are guaranteed REACH compliant

Whatever your requirement, Lissolfix broad range meets your needs

- Products adapted for Polypropylene yarns
- Biodegradable products according to OECD 301B standard
- M1 test and fogging test compliant products
- Thermo stable products
- Microfilament processing products
- LISSOLFIX is non aggressive towards elastane nor dyestuff



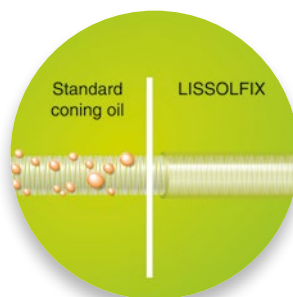
Advances : A solution to your constraints

LISSOLFIX APZ TECHNOLOGY



LISSOLFIX's AP technology.

Its antispashing properties limits oil wasting and misting compared to non AP competitors, during high speed processes, protecting your employees from slippery surfaces and skin and breathing discomfort.



LISSOLFIX's Z technology

grants very high penetrating performance, guaranteeing uniform oil pick up (OPU%) on the yarn, filament cohesion and regular bobbin winding and unwinding tensions, key for downstream processes.

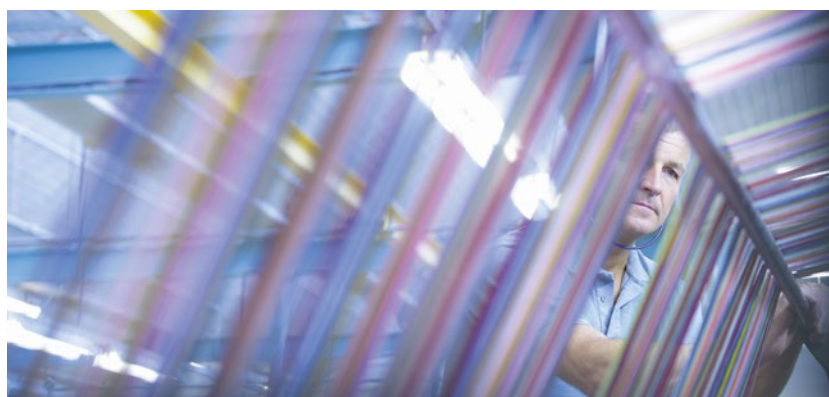
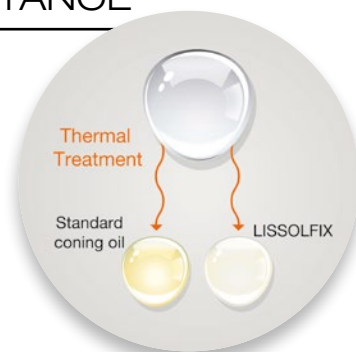
EASY WASHABLE



Thanks to its emulsifying technology, LISSOLFIX is easily removable. Whatever your customers' requirements (high temperatures, high speeds, dyeing...), LISSOLFIX's broad range of products helps you cope with different levels of oil elimination through conventional washing processes.

OXIDATION RESISTANCE

Due to strict requirements on base oils used in our formulas, LISSOLFIX shows very good stability during storage and production when exposed to heat and UV.



TOTAL
LUBRIFIANTS

A major player

With our production, supply chain and commercial presence in more than 150 countries, we deliver a full range of lubricants.

Support and partnership

Thanks to local technical presence, we provide a high level of service to optimize your Total cost of Ownership.

References & OEMs

Total Lubrifiants cooperates with equipment manufacturers to create high-technology products for optimal performance and production of your machinery.

5 good reasons for choosing TOTAL

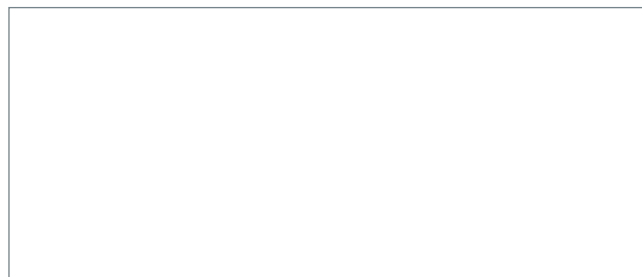
Innovation & Research

Total invests in biotechnologies to find the most suitable components to reach energy efficiency through formulations designed in our Research Centers.

Quality and environment

Total Lubrifiants ISO 9001 and 14001 certifications are the guarantee of a long term commitment to quality and environment. From the initial design stage, our R&D teams seek to develop products that minimize toxicity risks and environmental impact.

lubricants.total.com



Total Industry Solutions



Safety Data Sheets are available at sdstotalms.total.com

✉ ms.industry.lub@total.com



TOTAL

Committed to Better Energy