



WET WAXING AND SOFTENING LUBRICANTS
FOR KNITTING AND WEAVING YEARNS

SILWA®

www.graf-chemicals.com

SILWA®

wet waxing and softening lubricants – the perfect solution for finishing your knitting and weaving yarns

Silwa® wet waxing and softening lubricants are highly effective processing agents which are designed for the lubrication and smoothing of knitting and weaving yarns using the exhaustion method.

Compared to the commonly used softener / hard wax process, Silwa® wet waxing and softening lubricants are a very cost effective solutions because they provide a wide range of functions.



Benefits:

- high smoothness and excellent gliding properties
- constantly low friction coefficient, fibre/metal and fibre/fibre
- for all types of yarns and their blends
- extremely short, low-cost application process
- even lubricant distribution over outside – middle – inside of the bobbin
- improved quality compared to hard wax process
- significant reduction of fibre fly during knitting
- excellent antistatic properties
- no influence on colour fastness
- enables optimal knitting and weaving even at extreme speeds
- constant yarn tension and reduced fibre fly guarantees a higher productivity and quality



CONVINCING ADVANTAGES in the dye house and the knitting/ weaving factory

Silwa® wet waxing and softening lubricants are solvent-free emulsions based on high quality waxes and paraffins. In combination with our in-house developed emulsifier systems and our specialised production method you are assured the latest, state of the art technology.

	SILWA® SFR	SILWA® SPF	SILWA® PEW	SILWA® HWK	SILWA® DRH
Chemical characteristics	paraffin wax emulsion and emulsifiers with antistatic properties	water based emulsion of paraffin wax, softeners and emulsifiers with antistatic properties	water based emulsion of paraffin wax, polyethylene and emulsifiers with antistatic properties	water based emulsion of paraffin wax, hydrophilic softeners and emulsifiers with antistatic properties	water based emulsion of silicones, special softeners and emulsifiers with antistatic properties
Appearance	white milky liquid	beige milky liquid	beige milky liquid	beige milky liquid	white, milky emulsion
Ionic-state	cationic	cationic	cationic	cationic	cationic
Suitable for	all common yarn types, preferably for PES fibers and their blends	all common yarn types and their blends	all common yarn types, preferably for cellulose fibers and their blends	all common yarn types and their blends	synthetic knitting and weaving yarns, preferably for PES and PA yarns
Benefits	<ul style="list-style-type: none"> highly concentrated provides excellent gliding / processing properties excellent exhaustion behaviour on synthetic yarns thermostable can be washed off easily suitable for dyed and white yarn GOTS approval 	<ul style="list-style-type: none"> provides good gliding / processing properties imparts good softness and smoothness can be washed off easily suitable for dyed and white yarn 	<ul style="list-style-type: none"> provides excellent gliding / processing properties with very low fiber/fiber and fiber/metal friction achieves good softness highly effective with excellent antistatic properties GOTS approval 	<ul style="list-style-type: none"> provides good gliding / processing properties imparts high surface smoothness and softness excellent exhaustion behaviour on synthetic yarns gives hydrophilic effect with excellent antistatic properties 	<ul style="list-style-type: none"> dye bath application ALL-IN-ONE exhibits excellent gliding and antistatic properties

Simply contact the Graf sales / Technical service team.

Frank Engelbrecht Dipl.-Ing. (FH)
Phone +49 (0)8041 792 85-16
Mobil +49 (0)172 803 433 0
frank.engelbrecht@graf-chemicals.com

Why not try Graf's lubrication and laboratory testing service!

Your benefits!

- competence and long-term experience in application technology
- intensive research and development in the field of chemical products
- creative innovations
- responsibility for environmental protection and safety
- competent service for all your needs
- we are close to you and your business



Graf Chemicals GmbH
Prof.-Max-Lange-Platz 4
83646 Bad Tölz – Germany
Phone +49 (0)8041-792 85 0
www.graf-chemicals.com

