

## SILICONE WAX THREAD FINISH 3261



Silicone Wax Thread Finish 3261 is an advanced Copolymer System that **combines the lubricating qualities of Silicone Oils and Silicone Waxes**. This combination is ideally suited as a final finish for all types of synthetic threads. In winding, the Silicone Wax formulation clings to the surface of the thread. **This allows the thread to be wound at high speeds without “sling” or waste of product. On the cone, it provides an even distribution of lubricant that stays in place and will not migrate.** Pickup can vary from very low to very high percentages. Even at high percentages, the lubricant stays in place without runoff on the package.

The **Silicone keeps the needle cool during sewing, eliminating Thread Breakage and Skipping**. The Wax phase of this dispersion **reduces needle chatter and static, providing Excellent Sewability and Easy Needle Penetration**. Maximum Sewing Speeds are achieved without thread breakage or downtime.

### FEATURES

<ul style="list-style-type: none"> <li>• Eliminates Thread Breakage</li> <li>• High Speed Winding without Sling</li> <li>• Even Distribution – No Migration</li> <li>• Resistant to High Needle Heat</li> </ul>	<ul style="list-style-type: none"> <li>• Reduces Needle Chatter and Static</li> <li>• Easy Needle Penetration</li> <li>• Achieves Maximum Sewing Speeds without Downtime</li> </ul>
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SWTF will not migrate on surface of thread.



Eliminates Thread Breakage



Achieve maximum sewing speed without downtime.

### PHYSICAL PROPERTIES

<b>Appearance</b>	Viscous, milky-white
<b>Viscosity</b>	906 cSt
<b>Solids Content</b>	100% (Does Not Contain Water or Solvents)
<b>Solubility</b>	Soluble in Dimethyl Silicone Fluid Water Insoluble
<b>Flash Point</b>	471 degrees F
<b>Specific Gravity</b>	.978
<b>Weight</b>	8 lbs. Per Gallon

### APPLICATION

**Kiss Roller:** Silicone Wax Thread Lubricant is preferably applied by Kiss Roll to the thread. Application levels vary from 3% and higher, depending on the type of thread and the application. Apply at room temperature – No heating or mixing is required.

**CLEARCO SILICONE WAX THREAD FINISH 3261**  
**vs.**  
**CONVENTIONAL STRAIGHT SILICONE LUBRICANTS**

<b>Pickup</b>	The amount of required lubricant, using 3261, will be greatly reduced when compared with a pure silicone oil. However, in extremely difficult sewing operations, such as leather, vinyl and plastics, higher percentages of lubricant may be required. In those cases, higher percentages of lubrication can be achieved using the Silicone Wax as compared with pure silicone fluids. The very nature of the <b>Silicone Wax blend allows more lubrication to cling to the surface, achieving as much as 50% more cling than pure silicone fluids.</b> Even at higher percentages of pickup, <b>“sling” is virtually eliminated.</b> In comparison, pure silicones produce high amounts of sling that create dangerous-slippery conditions in the work area, and require time-consuming cleanup.
<b>Migration</b>	After winding, silicones have a natural tendency to migrate on the cone. This results in a bulls-eye appearance on the thread, whereby one area is over-lubricated and other areas have little or no lubrication. <b>Clearco TF3261 does not have any migration problems.</b> Even if the lubricated thread is left on the shelf for extended periods, the wax portion of the formulation holds the lubricant indefinitely in place.
<b>Penetration</b>	As with most sewing threads (especially bonded), there is a tendency for lubricants to have some degree of absorption into the thread. When this happens, the effectiveness of the lubricant is limited to the amount of the lubricant left on the surface. Unlike conventional silicone lubricants, the 3261 <b>will provide a fine finish that remains on the surface for optimum sewing results.</b> To illustrate this dynamic, put a few drops of both silicone oil and TF 3261 side by side on a piece of cardboard. In a relatively short period of time, the silicone oil will be absorbed while the TF 3261 will maintain consistency.
<b>Conclusion</b>	A year ago, this product was still in the development and testing stage. In fact, 3261 stands for November 26, 1999, the date this formula was first conceived. It was not until February 2001 that we started to offer this product on the market. In that short period of time, <b>five (5) sewing thread manufacturers have either switched to this product entirely or incorporated it to some degree.</b> The thread manufacturers did the testing and came to the conclusion that it was <b>easier to use, presented less problems in the manufacturing phase, and most importantly, it provided far superior results for their customers. Less Sewing Failures and Thread Breakage were realized.</b> It has provided these firms with a competitive edge by offering a superior thread that provides trouble-free sewing, even in the most difficult applications.