

AVCO-LUBROSIL MTL

Sewing thread lubricant for lick roll and dosing pump application methods

AVCO-LUBROSIL MTL is silicone oil compound designed as a sewing thread lubricant to be applied by the lick roll winding systems and by dosing pump systems.
Application is done at 70-80° C.

AVCO-LUBROSIL MTL is recommended for application to all types of sewing threads and embroidery yarns made of polyester, polyamide, cotton and blends.

SPECIFICATIONS:

Appearance	White, viscous liquid.
Chemical nature	Compound of silicone oils, waxes and additives.
Concentration (%)	100
Density (g/cc)	App. 1.0
Ionicity	Nonionic
Solubility	Soluble in organic solvents such as hydrocarbons. Is not soluble in water.
Viscosity (25°C, brookfield RDV, #2, 20 rpm)	1000-1500 cps
Viscosity (80°C, brookfield RDV, #2, 20 rpm)	250-300 cps
Storage	Store at temperature range of 5 – 40c. At freezing temperatures the product becomes more viscous. It is fully usable after thawing and mixing. When properly stored, in original packages under stated conditions, storage time is at least 12 months. After long storage time it is advisable to remix the content of the drum.

PROPERTIES AND USES:

1. Reduces fibre/metal and fibre/fibre coefficient of friction. The gliding properties of treated sewing yarns are distinctly improved, and sewing speed can be fastened with

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no problems of too much heating up of the sewing needles during the sewing process.

2. Good heat protection and needle cooling during sewing.
3. AVCO-LUBROSIL MTL does not affect dyeing fastness.
4. Non yellowing finish, recommended for white yarns.
5. AVCO-LUBROSIL MTL is applied in the lick roll winding machine and by metering pump units at 70-80°C.
6. Can be applied also in the hot lick roller systems.
7. AVCO-LUBROSIL MTL does not contain any alkylphenol ethoxylate type emulsifiers (APEO free).
8. Even after long storage time of the finished yarns, there is no tendency of the lubricant ingredients to migrate into the sewing yarn fibres. The rubbing fastness of the dyed yarns will not be impaired, if care is taken in rinsing and scouring of the textile articles after the sewing process.

APPLICATION:

AVCO-LUBROSIL MTL is applied during winding by the lick roller device, Application is done at 70-80° C.

The add on percentage depends on type of yarns, machine type, winding speed, and the end use of the finished sewing yarns.

Recommended application dosages:

Generally the application dosage should be in the range of 1 – 7% on the weight of the yarns.

Type of yarns / sewing threads	add on %
Standard qualities sewing threads	3 - 5
High performance sewing threads	5 - 7
Polyester embroidery yarns	1 - 2
Viscose embroidery yarns	1 - 2