

TEXTUROL 125CW



Textiles

DESCRIPTION

Fluid, mineral oil. Self-emulsifiable in water.

APPLICATIONS

Fibre lubricant for continuous filament synthetic yarns, in particular textured nylon, for application on high speed texturing machinery (above 600m / min) or during cone winding. Suitable for application to dyed and undyed yarns intended for knitting or weaving.

APPLICATION DETAILS

The recommended method of application is by roller and trough on the texturing machine or during cone winding. When applied in cone winding, it is recommended that the rollers should rotate in the opposite direction to the yarn travel. TEXTUROL 125CW has tacky type anti-splash properties and as such is shear sensitive. The anti-splash properties can therefore be reduced by excessive pumping of the oil. Suggested amounts for application:

Nylon yarns	-	1% to 3% oil on the weight of the fibre is recommended
Polyester yarns	-	2% to 3% oil on the weight of the fibre is recommended

PERFORMANCE DATA

- Provides a significant reduction in fibre / fibre and fibre / metal frictional properties, promoting smooth and even running of the yarn and helping to form a good, stable yarn package with subsequent benefits in off-winding performance and in knitting or weaving.
- Provides good anti-static properties to the yarns.
- TEXTUROL 125CW is designed to eliminate oil splashing during application by lick roller. Benefits therefore include reduced oil wastage, cleaner machines, reduced risk of oil dripping and a cleaner and less hazardous working environment.
- TEXTUROL 125CW is readily taken up onto the yarn when applied by lick roller and therefore reduced roller speeds may be used and improved evenness of oil application achieved.
- The oil has good resistance to oxidation and yellowing.
- The oil is non-corrosive to the metals commonly used in textile machinery.

SCOURING SUGGESTIONS

A pre-scour or pre-rinse is normally advisable prior to fabric dyeing. The oil is readily removed from fabrics using mild aqueous scouring systems. A scour incorporating non-ionic detergent with alkali is recommended at a liquor temperature not exceeding 60°C. When processing polyester fabrics in jet dyeing machinery a simple water only rinse at 20°C before dyeing is normally sufficient.

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NOTES

Oil-feed systems - We strongly recommend that the use of zinc galvanized or copper pipework is avoided for oil distribution systems. Stainless steel, or in some cases mild steel, are suitable materials.

HANDLING AND STORAGE

Store above 5° C. Warm before use.

TYPICAL CHARACTERISTICS AND PROPERTIES

TEXTUROL 125CW	TYPICAL RESULT
Colour	Clear pale yellow oil
Viscosity @ 21°C (cSt)	Approx. 17.5
Density @ 15°C (kg/l)	Approx. 0.85
Cloud Point (°C)	< 0
Flash Point (SETA) (°C)	> 120
Ionic Character	Non-ionic
Emulsifiability	Self-emulsifiable in water
Shelf Life	7 years in original container stored out of direct sunlight

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