

TEXTUROL 7970



DESCRIPTION

Fluid, mineral based oil. Self-emulsifiable in water.

APPLICATIONS

Fibre lubricant for continuous filament synthetic yarns, in particular textured polyester and nylon produced on medium speed texturing machinery (up to 600m / min yarn speed). Suitable for application to dyed and undyed yarns intended for knitting or weaving.

APPLICATION DETAILS

Suitable for application on the texturing machine by roller and trough. TEXTUROL 7970 is also suitable for application during cone winding. When applied by lick roller, it is recommended that the rollers should rotate in the same direction as the yarn travel. Also suitable for application by Rieter Scragg Metoil systems.

Suggested amount to apply

Nylon yarns	-	1% to 3% oil on the weight of the fibre is recommended
Polyester yarns	-	2% to 5% oil on the weight of the fibre is recommended

PERFORMANCE DATA

- Provides a reduction in fibre / fibre and fibre / metal frictional properties, promoting smooth and even running of the yarn and helping to form a good, stable package with subsequent benefits in off-winding performance and in knitting or weaving.
- Provides good anti-static properties to the yarns when used at the recommended application levels.
- TEXTUROL 7970 is designed to give a significant reduction in oil splashing during application by either lick roller or metered system. Benefits therefore include reduced oil wastage cleaner machinery and reduced risk of oil dripping, and a cleaner and less hazardous working environment. The oil is not shear sensitive and the anti-splash properties are not affected by pumping the oil.
- TEXTUROL 7970 is readily taken up onto the yarn when applied by either lick roller or metered system, 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 and 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 7970	UNITS	TYPICAL RESULT
Colour		Clear pale yellow
Viscosity @ 21°C	cSt	Approx. 24
Density @ 15°C	kg/l	Approx. 0.85
Cloud Point	°C	< 0
Flash Point (SETA)	°C	> 130
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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