

# MAK WARPING OIL H 60

High viscosity oil for warping application

MAK Warping Oil H 60 has been designed for warping application of textile yarn. It is a specially formulated emulsifying oil composed of highly refined petroleum base stock, tackifiers and special emulsifiers. It mixes readily with hot or cold water. The oil forms homogenous and exceptionally stable emulsions which show no apparent separation even after a long period of use or storage. It also offers abrasion resistance and exhibit antistaining and antistatic property. It is designed to improve weaving performance on high speed looms for synthetic yarn and blend with natural fibers. Yarns treated with MAK Warping Oil H 60 are less likely to be damaged during slashing operation and ensure improved weaving performance.

## Applications:

MAK Warping Oil H 60 is an emulsifying oil for warping application of textile yarns that face the abrasive forces during weaving.

## Performance/ Benefits:

**Reduction of Friction** – special additive chemistry helps reduce friction between thread and metal. Reduces breakage and the cost of mending.

**Abrasion Resistance** – ensures less damage during slashing operation during warping. Improves weaving. Offers good finish to fabric.

**Superior Antistatic Property** – prevents fibre pick up and dust build up. Yarns can be easily arranged parallel to each other.

**Antistaining** – leaves no stain on the yarn or fabric. Picks up less oil. No deposit formation.

**Excellent Washability** – possesses excellent washability that facilitates easy removal of oil. Leaves no stain.

**Low Volatility** – excellent resistance to evaporation even at high ambient temperatures. Reduces consumption and provides good working environment.

**Rust and Corrosion Resistance** – possesses excellent resistance to rust and corrosion.

## Specification:

- Proprietary Grade

## Typical Physico-Chemical Data: MAK Warping Oil H 60

Characteristics	Method	Value
Appearance	Visual	Clear
Colour	Visual	Water White
Density, g/cc @15°C	ASTM D1298	0.851
Kinematic Viscosity @40°C, cSt	ASTM D445	60
Emulsion Stability, (10% vol. water solution)	--	Stable
pH Value, (10% vol. water solution)	ASTM D1287	7.50

## Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 1½ yrs. under protected storage conditions.

## Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.