



SILTECH CORPORATION
225 Wicksteed Avenue
Toronto, Ontario, Canada, M4H 1G5
(416)424-4567 (Tel) (416)424-3158 (Fax)

TECHNICAL DATA SHEET

Siltech®T-12
Organo Polysiloxane Copolymer

DESCRIPTION

Siltech®T-12 is a hydrolytically stable organo-modified polysiloxane copolymer. **Siltech®T-12's** unique properties make it useful in a wide range of industrial chemical formulations and many processing applications. The industry applications for **Siltech®T-12** include synthetic leather finishing, synthetic fibre and yarn processing.

TYPICAL PROPERTIES

Appearance	Clear, light straw liquid
Colour, Gardner	2
Viscosity, Cps	175 - 390
Specific Gravity	1.05
Active Content, %	100
Water Solubility (1 % & 10%)	Dispersible
IPA Solubility (1% & 10%)	Soluble
Refractive Index	1.435

APPLICATION AND USES

Siltech®T-12 is non-ionic, water-dispersible, polar-solvent soluble low toxicity silicone glycol surfactant. **Siltech®T-12** is an excellent fiber and yarn lubricant and can also be used as a polymer additive for improved anti-blocking, heat stability, antistat and better abrasion resistance.

The key applications of **Siltech®T-12** include:

- Synthetic Leather Top Coating

Siltech®T-12 provides anti-blocking, abrasion resistance and leveling. Especially designed for water-based and solvent-based polyurethane systems. Recommended concentration level is from 1 to 3%.

- Synthetic Fiber and Yarn Processing

Siltech®T-12 is an excellent heat stable lubricant that reduces the coefficient of friction and gives a anti-static finish during the processing of fibers and yarn, e.g. spin finish and knitting process.

SHELF LIFE

When stored between 10 and 40°C in the original unopened container, **Siltech®T-12** has a shelf life of 36 months from the date of manufacture.

PACKAGING

Siltech®T-12 is supplied in 20kg pails and 200kg drums.

LEGAL DISCLAIMER

Siltech® Corporation believes that the information in this technical data sheet is an accurate description of the typical uses of the product. **Siltech® Corporation**, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

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