

TETRA SIL CHEMICALS

TECHNICAL LEAFLET TETRA SIL S.M.I

Tetra Sil S.M.I is a high concentrated amino functional silicone softener and the special modifier.

Tetra Sil S.M.I imparts a durable fantastic silky touch finish for a variety of woven and knit fabric such as cotton, its blend and synthetic fibers.

Tetra Sil S.M.I can be applied to fabrics alone or in combination with durable resin finish system.

GENERAL PROPERTIES

Appearance	Milkish liquid
Ionic Nature	Nonionic
pH	6.5+0.5
Stability	Very stable (at mixing condition)
Solubility	Easily soluble in water

CHARACTERISTICS

Tetra Sil S.M.I differs from conventional type silicone softener in that it produces a very special soft and pleasant handle.

When **Tetra Sil S.M.I** is applied on fabrics, it improves durability for washing and laundering and gives crease resistance, stretch-back property and lubricity.

Tetra Sil S.M.I is free of gum-up problem at padding mangle.

As its slightly cationic properties, **Tetra Sil S.M.I** has very little shade effect on whites, dyed or printed fabrics (By applying conventional amino functional silicone emulsion there will be yellow problem and color change defect on fabric).

Tetra Sil S.M.I is good compatible with nonionic and cationic chemicals, but incompatible anionic materials.

APPLICATION:

Making a dilution for 10% stock of **Tetra Sil S.M.I** then, to be applied will depend on in most cases 1-3% on weight of material will suffice.

“Tetra Sil S.M.I”