



SWISS MADE PRECISION INSTRUMENTS
100% MANUFACTURED IN SWITZERLAND



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MATERIAL TECHNICAL DATASHEET

COATING TYPE TEFLON® (TE)

General notes

Teflon® is non-wetting, has a high dielectric strength, almost universal chemical resistance, and in many cases is thermally resistant to 260°C. Formulated with special blends of fluoropolymers and other resins, products coated by Teflon® are more tough and have a better abrasion resistance.



NON-STICK

Very few substances will permanently adhere to a Teflon® coated surface. While tacky materials may show some temporary adhesion, almost all substances release easily.



NON-WETTING

Since Teflon® surfaces are both oleophobic and hydrophobic, they are not readily wet.



TEMPERATURE STABILITY

The combination of extreme low and extreme high temperature stability (-270°C to + 260°C) favors the use of Teflon® over a wider temperature range than any other organic coating material and for a short time



LOW COEFFICIENT OF FRICTION

The coefficient of friction of Teflon® is in the range of 0.03 - 0.15, depending on the load, sliding speed and particular Teflon® finish used.



CHEMICALS RESISTANCE

Teflon® is unaffected by most chemical environments. The only chemicals known to affect Teflon® finishes are certain alkali metals and most highly reactive fluorinating agents



UNIQUE ELECTRICAL PROPERTIES

Over a wide range of frequencies, Teflon® has high dielectric strength, a low dissipation factor, and very high surface resistivity.

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Technical information are provided to the best of Regine Switzerland SA knowledge and average values obtained from laboratory's test made on the material.

Regine Switzerland SA declines all responsibility from an improper application or use of the product described in this documents.