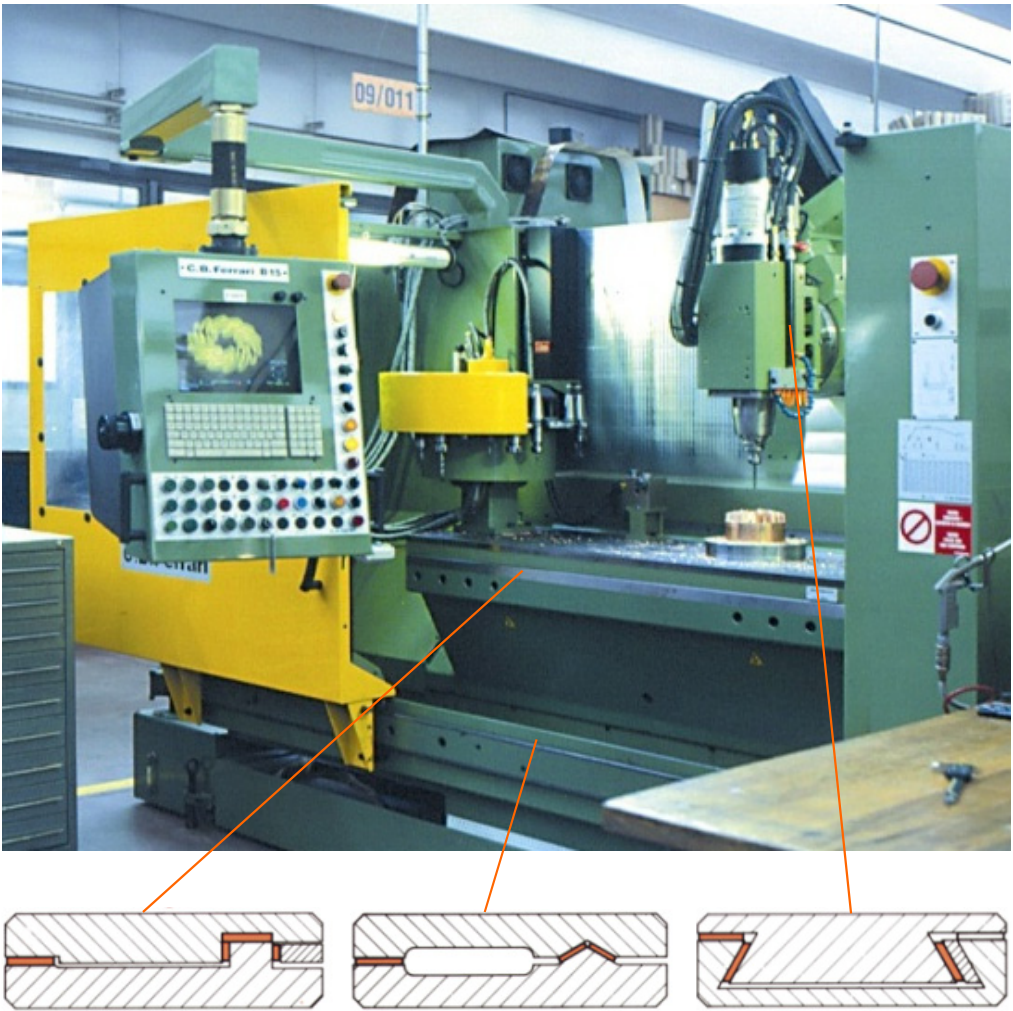


Application field of FLUOR SC Tapes

The Fluor SC bearing tapes have found wide utilization in the machine tool field as sliding bearings with razing friction thanks to the following advantages:

- they can easily be glued on with suitable adhesives after surface preparation
- optimum and constant coefficient of friction with consequent smooth movements and precise and repeatabile positioning
- minimum wear, with or without lubrication, even with variation of the specific load
- self-lubricating, therefore do not require maintenance
- high static and kinetic specific load capacity
- linear load distribution even between geometries which are not perfectly complementary
- possibility of preloading the couplings for elimination of play
- resistance to vibratory stresses and perceptible capacity for damping
- protection of the bearing tape in the presence of abrasive contaminating agents which are conglobated by the tape
- compatible with all the lubricating and cooling fluids used with machine tools.



FLUOR SC Tapes

Etched calibrated bearing tapes

Fluor SC calibrated tapes are produced in PTFE (polytetrafluoroethylene) with additives of bronze and metal oxide with laminar structure, treated for being glued to metal to be successfully used to obtain self lubricated tapes.

Fluor SC Tapes

Etched calibrated bearing tapes



Property	Density	Tensile strenght	Elongation	Deform. under compress. of 14 Mpa at 25°C for 24 h	Permanent Residual deform. of 14 Mpa at 25°C for 24h	Deform. under compress. of 14 Mpa at 260°C for 24 h	Permanent Residual deform. of 14 Mpa at 260°C for 24 h	Compression stress for 1% of relaxation	Coefficient of elasticity to compression	Coefficient of thermal expansion	Coefficient of thermal conductivity
STANDARDS	ASTM D 792	ASTM D 4894	ASTM D 4894	ASTM D 621 Mod.	ASTM D 621 Mod.	ASTM D 621 Mod.	ASTM D 621 Mod.	ASTM D 695	ASTM D 695	ASTM D 696	ASTM D 177
UNIT	g./cm³	Mpa	%	%	%	%	%	Mpa	Mpa	°C -1	Wm ^{-1°} · C ⁻¹
BRONZE * FILLED PTFE	3,05	18	200	6	3	17	8	8,1	770	9,5 · 10⁻⁵	0,46

* BM-57806 BROWN B-8/04 L-B LIGHT BLUE B-804 L-G LIGHT GREEN B-8/04 G-H GREEN B-8/04 S-P DARK GREEN

Whilst data and information given here are the result of our considerable experience they are only intended as a guide line and Fluorten s.r.l. can accept no responsibility either for the results obtained from this information or for situations in conflict with any existing patents.



PTFE and Rulon® Finished parts



Sliper rings and FLUOR-S/SC Tapes



Spring energized seals



PTFE and HPP ball valves components



Compressors bearings and seals



VICTREX® PEEK™ / PCTFE Semifinished products



Technopolymers injection moulding



Official Italy distributor of DuPont™ VespeI® trademarks

Since 1966 **FLUORTEN** is an industrial production leader in design, extrusion, moulding and machining, able to supply semi-finished and finished products in **PTFE** and injection moulded technopolymers. The production cycle and Quality of **FLUORTEN** match company philosophy to work with each Customer to solve project design and production problems to obtain a competitive product.

