



Antistatic

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the fiber absorbs and disperses electric charges accumulated from the environment or during physical exercise.



Bacteriostatic

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Because it respects the skin and protects it from bacteria and pollutant dusts. Eliminating the risk of annoying allergies.



High performance

High performance

Because during physical activity it lowers the concentrations of lactic acid, improving the circulation of the blood and oxygenates the cells.



Heat regulating and moisture transfer

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Because it speeds up the evaporation process of perspiration, slow down the formation of humidity on the skin and keeps the temperature constant.



Natural

Natural

100% natural, non-toxic and does not contain chemicals.



Reflective

Reflective

Because it protects the body from absorbing static energy, electrosmog and UV rays.



Hi-tech yarn

CF1 Carbon is a yarn by the unique technical characteristics, obtained by the union of textile fibers with a continuous filament of conductive material based on active carbon.

Static protection

Extensive studies in the field of ESD (Electro Static Discharge), have shown that the problem of controlling static electricity and electric fields variables, refer to any type of environment. The human organism is affected by the presence of these natural phenomena.

In fact, the electrical charges that are dispersed in our body are responsible for numerous adverse effects. **CF1 Carbon** prevent the discharge of electrical charges on the body, thus preventing muscle twitching, cramps, and fatigue. Carbon improves the electric performance of human bodies by promoting blood circulation and the regular supply of oxygen to the cells.

The characteristics of high conductivity **CF1 Carbon** also allow to improve the dispersion of moisture favoring sweat evaporation. The least moisture in contact with the skin, the greater is the sensation of wellbeing.

CF1 Carbon. Increase your performance

It is shown that **CF1 Carbon** increases the efficiency of technical sportswear increasing muscular performances of the athlete. **CF1 Carbon** is high performance, in particular, in disciplines that require prolonged physical effort over time and under high temperature ambient conditions. The performance of the athlete, intended as the percentage of metabolic energy that the muscular system is able to transform into mechanical energy, remains constant and even tends to grow during the thirty minutes of effort wearing the shirt **CF1 Carbon**; in particular it is observed a performance of 24.68% at 15 minutes against one of 24.93% at the end of 30 minutes.

On the contrary, by wearing a jersey in total polyester, the performance percentage tends to diminish over time during the exercise. So **CF1 Carbon** delays the onset of fatigue during exercise.

Test

Numerous tests have been ran in collaboration with Dr. David Susta, scientific director of the Centre for the Development of Training Como. The tests have compared the jersey **CF1 Carbon** and other jerseys totally in polyester, worn by a group of athletes during a training done in a temperature and humidity controlled environment.

- the increase in body temperature of the athletes resulted three times lower in those ones who wore **CF1 Carbon**
- respiratory parameters were better in people wearing **CF1 Carbon**. For these athletes, the need for oxygen was lowered of 3 liters / minute, improving the respiratory quotient
- the heart rate of the athletes who were wearing **CF1 Carbon** was lower than 4 beats / minute respect the other ones. In a 4 hours run, this translates into about 1,000 heart beats less
- it was also measured the concentration of lactic acid in capillary blood, with the result of about 12% less acid in those who trained wearing **CF1 Carbon**.

EOS/ESD GRAPHIC

