

RESISTEX.COM



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C A R B O N

MADE IN ITALY



Antistatic

Because of its conductivity, the fiber absorbs and disperses electric charges accumulated from the environment or during physical exercise.



Bacteriostatic

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



Heat regulating and moisture transfer

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



High performance

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



Natural

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



Reflective

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

Resistex® products are certified by



Hi-tech yarn

Resistex® 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. **Resistex® 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 **Resistex® 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.

Resistex® Carbon. Increase your performance

It is shown that **Resistex® Carbon** increases the efficiency of technical sportswear increasing muscular performances of the athlete. **Resistex® 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 **Resistex® 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 **Resistex® 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 **Resistex® 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 **Resistex® Carbon**
- respiratory parameters were better in people wearing **Resistex® 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 **Resistex® 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 **Resistex® Carbon**.

EOS/ESD GRAPHIC

