Product introduction

As a kind of thermochromic microcapsule, SpyBall has a property which its color disappears and recovers in accordance with temperature.

If it exceeds the specific temperature, its colors disappear and then recover below the specific temperature in accordance with chemical structure change of substance within capsule. We can make colors disappear in specific part by generating heat caused from friction utilizing this principle, disappeared colors to be recovered by lowering temperature below zero.

* End temperature of color disappearance: Over 60°C  
  Start temperature of color recovering: Below -8°C

Principle of color change

It maintains color changes in the range which is wider than existed thermochromic microcapsule products by using special matrix which induces the change of chemical structure in accordance with temperature.

If SpyBall product exceeds 60°C, color disappears, and if it drops below minus 8°C, its color recovers so there is few possibility of coloring during daily life.
SpyBall S-Series

SpyBall Slurry can be used as an erasable ink of ballpoint pen.

SpyBall P-Series

SpyBall Powder coating on electric cables prevent an electrical fire caused by overheating.
With excellent technology and quality, we focus on R&D to develop new and better materials

Insilico is a high-value chemical company that develops and produces new materials at a low-cost and high-performance on the basis of fusion technology of chemistry and IT and also develops related software and provides consulting services. We realizes a new innovation of epoch-making cooperation environment in the entire processes from material designing by molecular modeling, laboratory, manufacturing to quality control. As R&D-oriented company to develop new fields, we are actively involved in the development of materials of advanced concept and high technology on the basis of "excellent human resources" and "stable organization". Based on our technology that has been accumulated through consistent investment and R&D and superior product quality, we are preoccupying both domestic and overseas functional microcapsule product market. Recently, we have succeeded in developing an environment-friendly and fluorine-free textile water repellent and expanding our markets. For more information, visit www.insilico.co.kr