

Blessing from Nature

CRABYON

Hygienic rayon merged with "chitin chitosan"

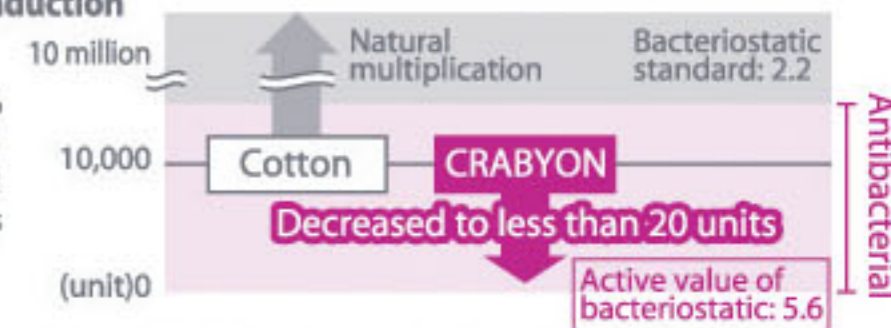


CLEAN Secure Performances

Always refreshing to wear with its antibacterial, deodorization and odor elimination. The effect of the natural component chitin chitosan, which has superior antibacterial effects, is to maintain freshness. It prevents contamination multiplication and eliminates those annoying sweat odors. Furthermore, it is excellent at eliminating odors directly emanating from sweat. It satisfies the set standards for antibacterial deodorization processes.

Results at 18 hours after conduction of antibacterial test

Sample: Knit comprised of 30% rayon (CRABYON) and 70% cotton
Testing Method: JIS L-1902 determination method (fungus liquid absorption technique)



※Japan Textile Evaluation Technology Council's SEK mark accreditation criteria: active value of bacteriostatic to be 2.2 or higher.

LONG KEEP Secure Performances

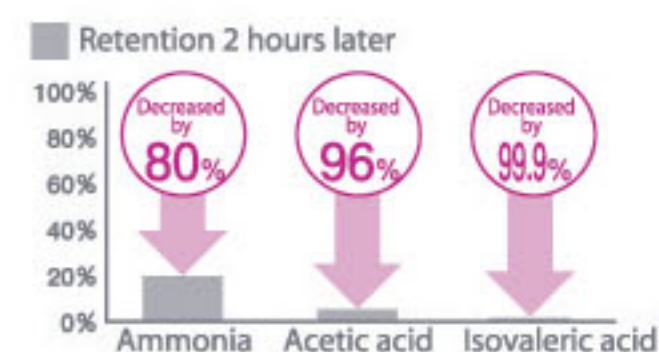
Stable retention of its antibacterial effect. Different from traditional antibacterial processes, such as surface application, CRABYON is made of pure chitin, meaning that even repeated washing causes only minimal separation or dissolution of the active substance.



Accreditation number for SEK acquisition: 29Y94

Odor eliminating property

Sample: 10cm x 10cm knit cloth comprised of 30% rayon (CRABYON) and 70% cotton
Testing Method: Japan Textile Evaluation Technology Council's accreditation criteria for odor elimination processed products. Manual for conducting equipment analysis.



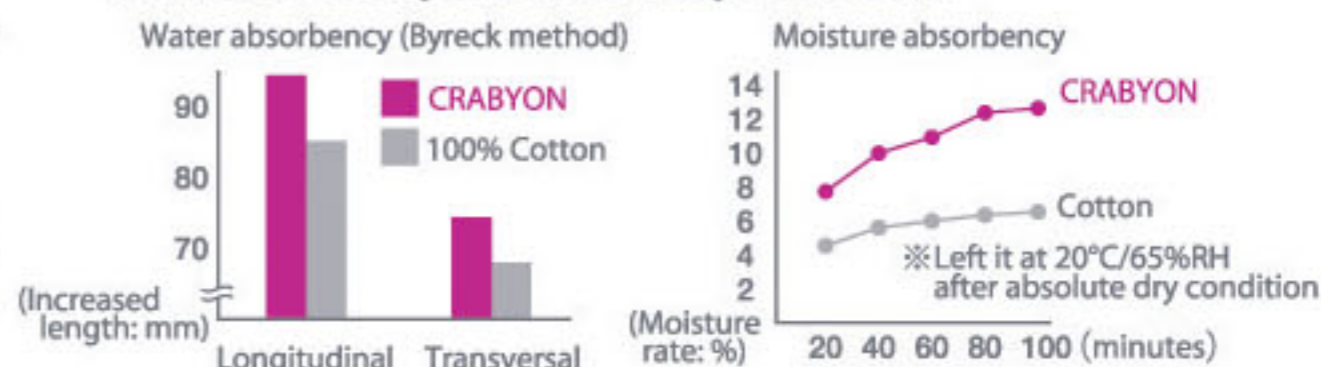
※Japan Textile Evaluation Technology Council's odor elimination performance criteria (sweat odor) Decreased rate: 80% or more of ammonia, 85% or more of acetic acid, 95% or more of isovaleric acid

MOISTLY Tender Functions

Moist and soft with superior moisture retaining property. It revives the soft touch and moisture retaining effects unique to rayon to deliver tenderness to dry skin.

Water and moisture absorbency exceeds cotton!

Clinical tests on patients with atopic dermatitis



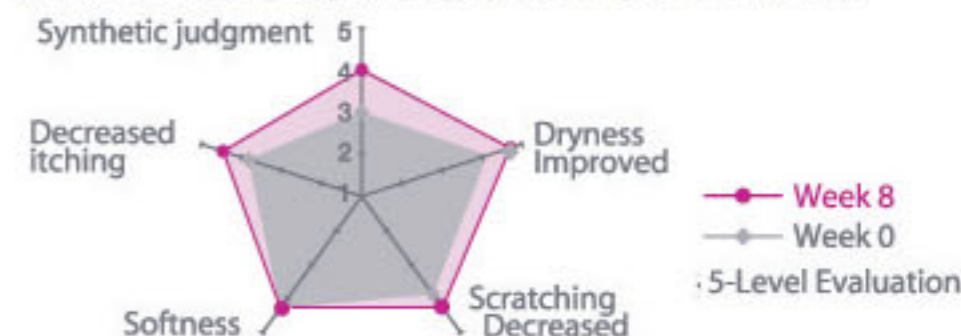
RELIEF Tender Functions

Low stimulus property offers a safe environment for sensitive skin. The material used for CRABYON, chitin chitosan, is used as a health food. That's why it is safe for babies and the elderly, as well as people with sensitive skin.

Medical doctors diagnosed the skin conditions of 11 patients aged 2 to 11 years old after wearing CRABYON for 8 weeks.

More than half of the cases improved by various degrees!

Clinical tests on patients with atopic dermatitis



NATURAL Tender Functions

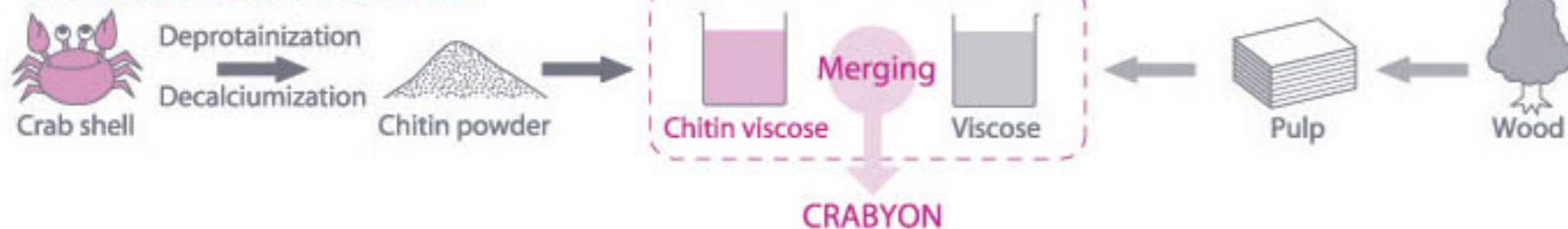
100% natural material recycles right back to nature. The raw material for the product, chitin, is recycled crab shell. Since CRABYON is made of 100% natural materials, it can be recycled back into nature after use without environmental pollution concerns.

◆ Won the Minister for International Trade and Industry Award For the development of CRABYON, Omi Kenshi was given the Minister for International Trade and Industry Award as an Organization of Merit for Promoting Recycling in 1997, which is a part of the Recycling Promotion Council's project.

FLEXIBLE Our Particular Attention

Blending rate of chitin is adjustable. Since CRABYON is a thread made of merged chitin and rayon, it is possible to adjust the mixing rate of chitin from 1 to 100%. Also, it can be blended with cotton and wool, so customers can freely select products for each use.

Production method of CRABYON



Acquired patente

[Patent number: 2736868/ + Euro 0794223]
Natural material chitin is made into viscose, then dissolved and merged with rayon. Omi Kenshi has acquired a patent on the CRABYON technique, which was the first successful production of fiber and film from chitin.

VARIATION Our Particular Attention

Superior dying property expands application. Since CRABYON has excellent dying property using both direct and reactive dyes, it brings out great characteristics in coloring and texture.

ABOUT CHITIN CHITOSAN

Chitin chitosan is a natural component contained in crab and shrimp shells, insects and fungi. In recent years, the various effects of chitin chitosan have been garnering attention. They include hygienic effects, such as antibacterial and fungicidal properties, together with health effects, such as increased immune strength, hemostatic action and cholesterol suppression. It is a highly safe biomass resource that we eat on a regular basis.