

SEASONS

JAGA

PYTHON

SUMI



JAGA



PYTHON



SUMI



JAGA



5JAG010

5JAG420

5JAG350

ECOLOGICAL

Recycled Polyester

FABRICS

- JERSEY: 58% Cotton / 38% Polyester recycled 37.5® / 4% Elastane - 165g/m²

COMFORT

Thanks to elastane and technology 37.5®

THERMO-REGULATING TECHNOLOGY



37.5® TECHNOLOGY



+ INCREASES PERFORMANCE: USE LESS ENERGY TO DO THE SAME AMOUNT OF WORK



Natural: Volcanic minerals integrated into the fiber



Permanent: The active 37.5® particles never wash out



Thermoregulating: Helps maintain the ideal core body temperature of 37.5°C



Comfortable: Removes sweat in the vapor stage



Helps stabilize humidity levels at a comfortable 37,5%



Traps odors and releases them when laundered



Uses your body's own infrared energy to warm you when you are cold

5PYT120

PYTHON



WATERPROOF

Highly waterproof membrane: 10 000 mm



ECOLOGICAL

100% recycled main material + Graphene: non-pollutant

TECHNICAL

Membrane printed with Graphene, known for its exceptional properties



FABRICS

- 2,5-LAYER SOFTSHELL : Recycled 100% Polyester mechanical stretch + PU membrane + Graphene printed top coat 170g/m²
- WATERPROOFNESS: 10 000 mm
- BREATHABILITY: 5 000g/m²/24h

GRAPHENE

+ WHAT IS IT?

Graphene takes its name from **graphite**, a natural mineral, of which it is a derivative (example: pencil leads).

It is the thinnest layer of graphite imaginable: this totally invisible **2D material** is made up of **a single layer of carbon atoms** linked in the form of hexagons (vs. several layers for graphite)

→ Graphene is the lightest, strongest and most conductive material identified to date.

+ IN WHICH FORMS?

Graphene is **mainly used in the form of inks** in the textile industry, as in the membrane coating of our PYTHON model: only a few atoms can give it its properties.

+ FEATURES ?

Thermal conductor



In hot weather: it eliminates body heat depending on the environment/climate and the physical intensity of the wearer
In cold weather: it transmits heat from warm areas to colder areas (+/-2°C)

Bacteriostatic



It reduces the formation of odors due to perspiration by stopping the proliferation of bacteria

Light



It is the thinnest layer of graphite available. A few grams are enough to give it its properties!

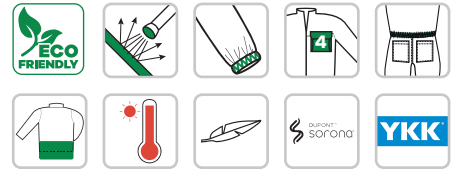
Antistatic



Conductor, it allows to dissipate the electrostatic charges

5SUM120 / 5SUM010

SUMI



5SUM010



5SUM120

RESISTANT
RIPSTOP weave

LIGHT & WARM
SORONA®
technology

REINFORCEMENT
AREAS VOKES

FABRICS

- OUTER: 100% Nylon Micro-RIPSTOP (2,5mm) - 40g/m²
- 3-LAYER SOFTSHELL: 100% polyester mechanical stretch + TPU membrane + Fleece - 230g/m² (sides + chest)
- PADDING (SORONA technology): 100% Polyester - 100g/m² (body) + 80g/m² (sleeves)
- LINING: 100% Nylon - 75g/m²



SORONA®

TECHNOLOGY



+ SORONA®: A GREAT ALTERNATIVE TO DOWN

DuPont™ Sorona® is an innovative, partially plant-based polymer. This technology is chosen to create exceptional insulation products with long-lasting performance. In comparing insulation made with Sorona® to insulation made with premium, branded polyester, Sorona® outperforms in many key categories:

Improved ability to retain heat in both dry and wet atmosphere:

- +7% Optimization of the weight/heat ratio

Lighter – Improved fill power: +36%

- Less insulation is needed to provide the same warmth
- Less bulky

Compression and recovery:

- Higher compression ratio: +8% (65% vs 60%)
- Recovery ratio= 96%
- greater movement and flexibility

Quick drying :

- Excellent moisture wicking

Renewable sourced :

- **37%** (annually renewable plant-based ingredients by weight)

JAGA – PYTHON – SUMI :

The best of natural technology for every season of the year

Coverguard's mission is to find textile materials that are increasingly in harmony with the environment.

JAGA - PYTHON - SUMI have been developed with eco-friendly principles in mind, either because they incorporate recycled materials from waste treatment, or because they feature technologies developed from natural materials with exceptional properties: thermo-regulating volcanic minerals, graphite or bio-based component.

Suitable for hot, moderate or cold environments, Coverguard's «natural technology» products are suitable for a wide range of uses:



FINISHING WORK



INDUSTRY



CONSTRUCTION



TRANSPORT
& LOGISTICS



References	Colors	Features	Packagings
JAGA			
5JAG350	Heather grey	37.5° Technology	individual or per 20
5JAG420	Blue		
5JAG010	Black		
PYTHON			
5PYT120	Navy blue	Graphene	individual or per 10
SUMI			
5SUM120	Navy blue / Reflective grey	SORONA® Technology	individual or per 10
5SUM010	Black / Lime		

CE EN 343

CE EN 14058

SAFETY DESIGNER



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