



G-LOFT Plus Filling

Manufactured from high-quality bi-component polymers, the structure of G-LOFT insulation is in fact similar in many ways to high-quality goose down. The 3-dimensional crimping ensures maximum resilience and loft.



DIFFERENTIAL CUT

Even when the sleeper moves about compressing the inner layer of insulation, the sleeping bag's warmth is retained. Successive insulating layers are cut more generously. This ensures the greatest loft in all areas and in every position. Additional air cushions form between the various layers. Movement inside the sleeping bag creates pressure points, but with our differential cut only the innermost layer is compressed. The outer layers retain their loft and therefore their insulating properties.



THERMOFLECT

Thermoflect increases the heat retention of a sleeping bag by around 11 %. Thermoflect is our solution to heat loss due to body radiation. Thermoflect is an ultra-light, ultra-soft, breathable scrim with the unique ability to reflect body-heat.



THE TRAPEZOIDAL FOOT SECTION

Experience has shown that the trapezoidal cut provides the ultimate foot space. In a normal sleeping position, the feet do not poke the insulation outward, avoiding cold spots. There is also enough room to store a shoe bag or extra clothing.



THE MUMMY SHAPE

Here the criteria of stuff size, weight and warmth are most important. The tapered foot section reduces weight and stuff size. The main advantage is, however, that from the knee downwards there is increasingly less internal volume to keep warm. The foot section should not be so small that the feet cause the layers of insulation to poke out. A trapezoidal foot section has proven to be ideal. A wedge shape, declining evenly in width from top to bottom, does not fit the true proportions of the body.



SINGLE-LAYER NOT QUILTED WITH SHELL

In this lightweight design, the outer shell is loosely attached to the bag. The G-LOFT Plus filling is quilted to an insulating scrim. As a result, an additional air pocket is formed between the quilted insulation layer and the shell, yet no cold seams can occur.



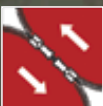
DOUBLE-LAYER SANDWICH CONSTRUCTION WITH LOOSE SHELL

Two G-LOFT Plus insulation layers are arranged in such a way that the quilting is offset. The shell is attached afterwards, creating a further layer of air between the quilted insulation and the shell. With no stitch perforations in the shell, it is relatively water and airtight.



TRIPLE-LAYER SANDWICH CONSTRUCTION WITH LOOSE SHELL

The three G-LOFT Plus insulation layers have offset quilting. The shell is not quilted with the filling, but attached later. This provides an air cushion between the insulation and the shell. With no stitch perforations in the shell, it is relatively water and airtight.



TWO WAY ZIPPER

All Carinthia military sleeping bags are equipped with a two way zipper. The glider on the top does not snag, allowing a quick step out if necessary (in case of alert for example). The glider on the down side does stick and can be opened for ventilation.



COMBINABLE SLEEPING BAG SYSTEM

Some of our sleeping bags can be combined to a sleeping bag system. Such a system can be used as a 4 Season Sleeping Bag and allows you to carry only the weight and the bulk necessary for the prevailing temperatures.



MOSQUITO NET



DOWN FILLING

SHELLPROOF

The lightweight polyamide fibre with breathable hydrophilic polyurethane coating. The rip-stop construction consists of nearly 4000 microfine filaments per square centimeter. This complex construction and the hydrophilic PU-coating offers total wind- and water-proofing and maximum breathability. The precise arrangement of microscopically small pores allows perspiration to be transported from the inside to the outside. This keeps the body warm and dry in all conditions.



Lightweight



Small packing volume



Highly breathable



Extremely wind repellent



Ripstop construction



Highly tear resistant



Excellent strength to weight ratio

SHELLTRANS

The lightweight, soft on the skin polyamide-fibre. The rip-stop construction consists of nearly 4000 microfine filaments per square centimeter. The complex structure makes the fabric extremely wind-repellent while main-taining excellent moisture transporting capabilities. The water repellent treatment prevents moisture from penetrating from the outside. This keeps the body warm and dry in all conditions.



Lightweight



Small packing volume



Highly breathable



Wind proof



Ripstop construction



Highly tear resistant



Excellent strength to weight ratio



Water proof