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Simplified illustration of pile construction

MASTER OF COMFORT KNIT PILE

‘FABRICS MADE FROM FIBER’ Glenoit’s comfort knit pile products are described as ‘Fabrics Made from Fiber’ because of the process by which they are made.

Glenoit’s special sliver (sly-ver) knitting process locks individual fibers directly into a lightweight knit backing allowing each fiber to stand upright, free from the backing to form the soft pile on the face of the fabric. This makes Glenoit’s comfort pile fabrics softer, warmer, more drapable and more resilient than fabrics made from yarns.

Here is how Glenoit does it:

STEP 1 *Fiber Blending*

Each Glenoit fabric starts with premium loose fibers. These fibers include high-tech microfiber acrylics, polyesters and mod-acrylics specially developed for Glenoit along with natural fibers such as wool.

Each blend is chosen for its specific end result. By engineering the fiber mix, Glenoit can produce an incredibly wide range of colors, density, weight, patterning, texture and performance features in its comfort knit pile fabrics.

The selected fibers are solution dyed to ensure consistent, rich, deep colors. *Solution dyeing at the fiber stage is a more environmentally friendly method than yarn dyeing or fabric dyeing.*

The fibers are then blown together in an air chamber, similarly to down, blending their colors and fibers types in a predetermined mix.

STEP 2 *Carding*

The mixed fibers are then sent through a series of special carding machines that comb the fibers, aligning them parallel to one another. They are then gathered into a soft rope called ‘roving’ or ‘sliver’ - hence the term sliver knitting.



Blending fibers



Roving being fed into a computerized knitting machine

STEP 3 *Knitting*

The slivers are then fed into Glenoit's state-of-the-art electronic knitting machines. The machine's fine gauge needles, rotating in a circular motion, pick up fibers from each sliver in a predetermined sequence, locking them directly into a soft but strong polyester knit backing.

Secured at one end, the length of the fibers remain upright and perpendicular to the backing, allowing them to maintain their resilience, softness, breathability and comfort and light weight.



Final finishing

STEP 4 *Finishing*

After knitting, the pile fabric is sheared to the desired height.

It is then put through a series of technical finishing processes specially developed by Glenoit to control the surface texture and special characteristics of the final fabric.

STEP 5 *The End Result*

Some of Glenoit's most popular 'Fabrics Made from Fiber'



Marrakech



Cascade



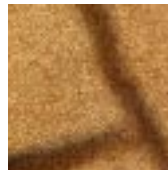
Chantilly



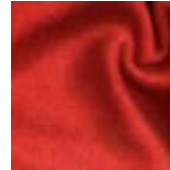
MiniMicro



Mystique



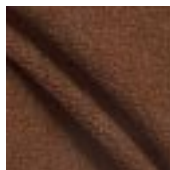
SunDancer



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