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Microfil[®] 科技保暖新纖維

New generation of warmth-
retaining hollow fiber
with light weight and soft



Microfil®

科技 保暖 新 纖維

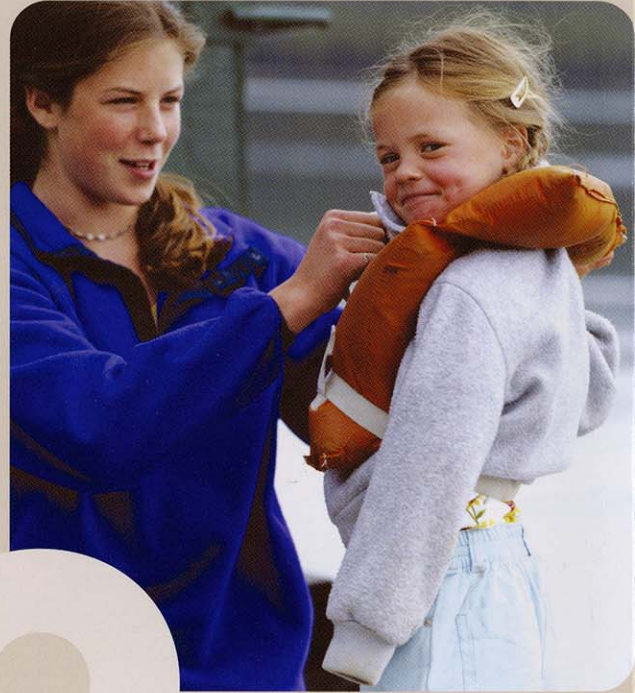
New generation of warmth-retaining hollow fiber

Microfil® 科技保暖新纖維

南亞Microfil®中空纖維是屬於智慧型纖維的一種，由南亞公司以特殊的紡絲技術，將超細纖維與高中空的雙重技術結合。纖維單纖纖度不僅小於1dpf，長纖維中空度更可>30%(短纖維中空度>12%)。具輕量、柔軟、蓬鬆、保溫性佳等多重特性。

Microfil® Technology New Warmth-keeping Fiber

The Nanya Microfil® hollow fiber is one of the intelligent fibers developed. Nanya Plastic Corporation utilizes its special spinning technology to make Microfil a finer denier with high hollow rate. Not only the fineness of each fiber is less than 1dpf, the filament's hollow rate can be even greater than 30%, staple fiber's hollow rate is greater than 12% as well. The product has various characteristics of being light, tender, fluffy and great in warmth retaining.



Microfil® 用途

睡袋內裡、成衣內裡、刷毛布、春/夏襯衫、秋/冬衣料、保暖內衣。

Microfil® application

Sleeping bag lining/filler, apparel lining/filler, fleece, spring/summer shirts, autumn/winter clothes, warm retaining underwear.



Microfil® 特性

● 保溫性

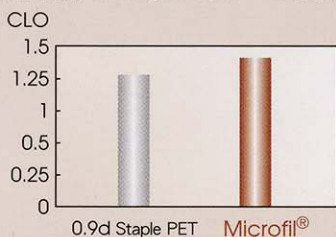
滯留空氣因熱傳係數低為最佳的保溫材。Microfil®利用中空構造將滯留空氣保存在纖維中空部位，產生最大的保溫效果，是冬季不可或缺的最佳保暖素材。以Microfil®短纖維為例，在相同碼重下，與實心棉比較其保溫值可增加10%。

Microfil® features

● Warmth-retaining

Dead-air, being low in thermal conductivity, is the most suitable material selected for warmth retaining. Microfil® utilizes the hollow structure to trap air in the hollow section of the fibers and create the maximum warmth retaining effect. This is the best warmth retaining material in winter season. Using Microfil® staple fiber as an example, being imposed under the identical weight, it gives 10% CLO better than regular staple polyester.

測試方法 Testing method : ASTM D 1518-85
測試樣品 Testing sample : 不織布 Non-woven



● 柔軟性

Microfil®無論長纖或短纖其纖度均可<1dpf，製成織物觸感柔軟細緻，具極佳手感。

● Softness

The fineness of Microfil®, either the filament or the staple fibers, are all under 1dpf. The textiles are soft and delicate. It offers a superior touch.



● 膨鬆性

拜中空斷面所賜，Microfil®較一般聚酯纖維有較大的外徑。因此於相同碼重下，Microfil®較一般織物具有更大的膨鬆性。

● Bulkiness

Due to the hollow cross-section, Microfil® has a bigger external diameter than regular polyester fibers. Therefore, being imposed under the identical fabric weight, Microfil® textiles are bulkier than general others.

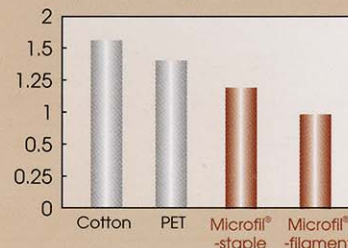
● 輕量性

Microfil®與一般聚酯紗製成等厚度織物，長纖維約可輕量30%，短纖維可輕量12%。

● Light weight

Comparing to regular polyester, textiles made of Microfil® filament can be up to 30% less in weight whereas Microfil® staple fiber can be up to 12% under the same fabric thickness.

比重 Specific weight



● 隔熱性

中空斷面具良好的隔熱性，T/C混紡時製成夏季襯衫，可減緩進出冷氣房間瞬間溫度變化，提升穿著舒適性。

● Thermal Insulation

The hollow cross-section provides excellent thermal insulation. Microfil T/C yarn for summer blouses can efficiently ease up the sudden change in temperature when entering or exiting air-conditioned rooms and give a more comfortable wearing.

產品規格 Product Specification

規格 Specification

Microfil®長纖維 Filament 60/72、120/72、50/48、75/24

Microfil®短纖維 Staple Fiber 0.9^d x 38m/m、0.9^d x 51m/m

1.4^d x 38m/m、1.4^d x 51m/m

Microfil®



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