



# Hi Warm®

**Warm keeping • Health • comfortable**

Hi Warm® is a kind of thermal retention PET filament.

The addition of light storage functional nano powder can effectively store heat by absorbing the energy of the outside world and releases the far infrared radiation, so that achieves the superior warm-keeping effect without much increasing the thickness and weight of the clothes.

## Features

### Heat storage and preservation

- ☑ The average emissivity of 2~22um wavelength is 0.82 ~ 0.88 when the far infrared radiation is released.
- ☑ It is proved that the temperature can be increased by **11.1 °C** within 10 minutes after 500W light exposure (100cm distance).

	Before	After	difference	Radiation rate
Hi-warm	24.1°C	35.2°C	11.1°C	0.82~0.88 (25~40 °C)
regular	24.2°C	28.5°C	4.3°C	<0.8

### Good washing fastness

Even under long term use and washing, the effect lasts.

### Easy finishing

The processing, dyeing and finishing methods are the same as the regular fibers.

### Anti-static

Lower static in the cold and dry environment.

## Application

### For dressing

Sports clothes, leisure clothes, intimates, pajamas, underwear, hats, towels, gloves, clothes, swimsuits, etc.

### For Home use

Utensils, bed sheets, bedspreads, quilts, towels, etc.

### For Health care use

braces, knee pads, wrist guards, elbow guards, corsets, etc.

note: the effect will vary depending on the composition, organization and color of the finished cloth.

## Specification

Filament: every kind of specifications for DTY.

Spun: various counts of SPUN, TC, CVC yarns



**TAINAN SPINNING CO., LTD.**

TEL : 886-2-27589888 FAX : 886-2-27582804  
EMAIL : polysale@tainanspin.com.tw  
HTTP : //www.tainanspin.com.tw