

# Hemp

## Safe and legal

Industrial hemp, with THC (tetrahydrocannabinol) content less than 0.3%, is classified as a legal and natural fiber.

## Naturally anti-bacterial

The phenolic compound in hemp is able to break down Staphylococcus aureus, Candida albicans, and E.Coli.

## Naturally cool

Effective moisture absorption and discharging, naturally cool, dry and comfortable

## Sustainably eco-friendly low environmental impact

Hemp grows fast, does not require herbicide/pesticide/synthetic fertiliser or genetically modified seeds. Compared to cotton, growing hemp requires less water, its growth cycle is relatively shorter with higher yield.

## Natural and eco-friendly, minimizes environmental impact

 COTTON		 HEMP
Responsible for 26% of the pesticide use in the world	<b>Production process</b>	No pesticide required
8 to 9 months	<b>Growth cycle</b>	3 to 4 months
For each T-shirt-2,725 Liters of water is consumed	<b>Water consumption</b>	For each T-shirt-680 Liters of water is consumed
54-201 kg	<b>Average yield per acre</b>	220-367 kg

	Pure hemp	Hemp/cotton 60/40	Hemp/cotton 35/65	Pure cotton
Moisture absorbing rate (mg/min)	2.18	2.57	1.40	1.33
Moisture discharging rate (mg/min)	4.40	4.17	2.33	2.37

Data source: Chen, Tsung-Lu, <<Collected papers of Symposium on Non-iron, softener quality, its application and technology>>113-120