

Thinsulate  
INSULATION

3M

TypeTIB



**S O F T C O M F O R T**

**FOR DUVETS & BEDDING**



excellent breathability

moisture resistance

wash durability



**Thinsulate**<sup>™</sup>  
INSULATION

Anything else leaves you cold.

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**Highloft and warm** Thinsulate™ Insulation for bedding type TIB is a high loft, supersoft product, specifically designed for domestic duvets, comforters and bedspreads. It has superior warmth compared to other synthetic insulation. Another quality that makes Thinsulate Insulation type TIB ideal for its intended applications is its breathability, moisture resistance and class leading wash durability.

**Ecological Statement** Type TIB contains no harmful substances according to Oeko-Tex-Standard 100 and has been awarded with the Oeko-Tex-Certificate by Hohenstein Institutes



**Care Instruction** Can be machine washed and dry cleaned according to care instructions.



- Never store in compressed state
- Store away from heat
- To revitalize loft, tumble dry low
- During regular drying, reposition article in dryer frequently to achieve uniform drying.

### Typical Properties

| TYPE    | THICKNESS [cm] | WEIGHT [g/m <sup>2</sup> ] | WARMTH Rct [m <sup>2</sup> K/W] | LENGTH [m] | WIDTH [m] |
|---------|----------------|----------------------------|---------------------------------|------------|-----------|
| TIB 100 | 1,7            | 98                         | 0,39                            | 30         | 1,50      |
| TIB 120 | 2,0            | 119                        | 0,43                            | 30         | 1,50      |
| TIB 150 | 2,2            | 155                        | 0,46                            | 24         | 1,50      |
| TIB 200 | 2,5            | 191                        | 0,55                            | 25         | 1,54      |
| TIB 300 | 4,5            | 331                        | 1,02                            | 16         | 1,55      |

1 Clo  $\approx$  0.155 Rct [m<sup>2</sup> K/W]

Data generated by 3M Laboratories (Europe) with 3M Thickness Tester, acc. to ISO 9073-1 (1989) and ISO 11092 (1983). TIB 100, TIB 120, TIB 150 and TIB 200 are also available in 2,20 and 1,70 m width.

**Composition** 95 % Polyester, 5 % Polypropylen

**Garment Construction** Use high quality down proof cover fabric. Thread count over 270 are recommended. The insulation must be quilted. Spacing up to 30 cm is recommended with channel quilting providing better results. Thorough testing by the manufacturer is suggested for other quilt designs. 3M can assist with this testing. Please see your representative for details. 3M can assist with this testing. Please see your representative for details. Doubling over the insulation in the outer edge can produce a product with improved aesthetics.

Check before using light coloured and translucent fabrics if Thinsulate™ Insulation is showing through and whether appearance is suiting the intended design. Slightly varying surface appearance does not affect the performance and specification of the product. For resistance against chemicals, fire and radiating heat and behaviour together with electrical current please contact 3M for advise. **Please also study our PBUS document which gives useful advice about product and brand usage standards.**

### Important Notice to Purchaser/ User

All statements, technical information and recommendations herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. Before using, user must determine the suitability of the product for its intended use and user assumes all risk and liability whatsoever in connection therewith. Check before using light coloured and translucent fabrics if Thinsulate™ Insulation is showing through and whether appearance is suiting the intended design. Factors such as garment construction, wearer's physical condition and ambient conditions may require different insulation levels. All product performance values stated on Thinsulate™ Thermal Insulation Product Data Sheets are determined before shipping. Storage, handling and shipping may effect the performance levels of the insulation. All statements, technical information and recommendations herein should not be used for tenders and specifications. To validate submitted data please contact 3M. All technical data stated are typical values, but due to the nature of non woven textiles and therefore to the variation of results, they can not be guaranteed. All applications need to be in accordance with our PBUS regulations in order to ensure proper Product and Brand Usage. All questions of warranty and liability relating to this product are governed by the terms of the sales subject where applicable to the prevailing law.