



WARMTH (Insulation) FACTOR

Formula for IDFL Warmth (Insulation) Factor:

$$(\text{Fill Power (cubic inches)} \times \text{Net fill weight (grams)}) / \text{Size (cm}^2\text{)}$$

EXAMPLE

The following three comforters from Europe are used as examples.

Comforter # 1 is a 2-part four-season comforter which can be attached together or used separately.

Comforter # 1-a	Light (Summer use)	Warmth Factor = 8.72
Comforter # 1-b	Medium (Spring/Fall use)	Warmth Factor = 11.34
Comforter (1a+1b Combined)	Heavy (Winter use)	Warmth Factor = 20.05

Comforter # 2	Standard Comforter	Warmth Factor = 18.11
Comforter # 3	Standard Comforter	Warmth Factor = 18.64

DETAILS OF CALCULATIONS

Item #	Description	Fill Power cu.in/oz	Net Wt Grams	FP x g	Length in cm	Width in cm	square cm (cm ²)	Factor (FP x g / cm ²)
# 1a 64929	85% Goose Down Part 1 of 2 (All-Season 2-part comforter)	660	592	390,720	214	161	34,454	11.34
# 1b 64930	85% Goose Down Part 2 of 2 (All-Season 2-part comforter)	655	463	303,265	216	161	34,776	8.72
# 1a+b	# 1 and # 2 Combined as 2-part Comforter	658	1,055	694,190	215	161	34,615	20.05
# 2 64931	85% Goose Down Comforter	640	975	624,000	214	161	34,454	18.11
# 3 64932	85% Goose Down Comforter	660	973	642,180	214	161	34,454	18.64