

ADVANCED

## 3M™ Thinsulate™ Insulation Type KL

Engineered to be soft and light yet powerful enough to help secure warmth when it's needed most.

### features

- 100% Polyester
- High-loft
- 2.1-4.4 Clo value
- Thermally bonded fiber matrix helps ensure durability.



Warm



Soft



Lightweight



Durable

### ideal for

- Performance apparel
- Outerwear
- General wear

### certifications



## partner benefits

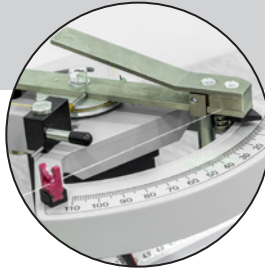
When you choose 3M™ Thinsulate™ Insulation, you're choosing a world-renowned product paired with worldwide service. Partner with us and discover the power of our:

### global locations



With a **local presence in more than 70 countries**, we can easily work with you and your mill, supporting your production needs from start to finish.

### technical expertise



As a company driven by science, we can perform **more than 20 comprehensive tests on our insulation**, carefully evaluating all critical features.

### brand



Recognized as a world-class brand, we'll work with you **to support your marketing and sales efforts.**

Typical Values*	3M™ Thinsulate™ Insulation (Types KL)										
	Base Weight		Thickness ASTM D 5736 @0.002 psi		Thermal Resistance (R <sub>ci</sub> ) ASTM F 1868			Roll Width		Roll Length	
	g/m <sup>2</sup>	oz/yd <sup>2</sup>	cm	inch	clo	R-value	m <sup>2</sup> °K/W	inch	m	Lin. Yard	Lin. Meter
KL100	100	2.9	1.3	0.51	2.1	1.8	0.32	60	1.52	65.6	60
KL150	150	4.4	1.9	0.74	2.9	2.5	0.44	60	1.52	45.9	42
KL200	200	5.9	2.4	0.96	3.6	3.2	0.56	60	1.52	35	32
KL250	250	7.4	3.0	1.18	4.4	3.8	0.68	60	1.52	29.5	27

\*Values represent the averages of the population of lots at date of publication



**Want more protection from the elements?** Ask us about the Scotchgard™ Protector that can further enhance the performance needs of your apparel.



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**The Future Of Performance. Sustainably Driven. Scientifically Backed.**

