

**3M**  
THINSULATE™  
Insulation

ELITE ECO



## 3M™ Thinsulate™ Insulation **Xerogel**

3M™ Thinsulate™ Xerogel Insulation is 100% polyester batting loaded with a xerogel insulation for additional warmth.

### features

- 60% Recycled polyester
- Lightweight
- Warmth Under Compression
- Breathable



Warmth Under  
Compression



Light  
Weight



Breathable



60% recycled  
content

### ideal for

- Footwear
- Apparel (areas with high compression)
- Accessories

### certifications



## partner benefits

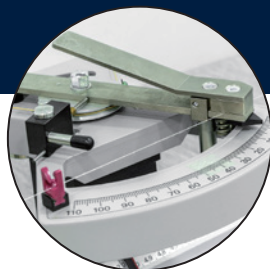
When you choose 3M™ Thinsulate™ Insulation, you're choosing a world-renowned product paired with worldwide service. Partner with us and discover the power of our:

### global reach



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 critical features such as compression, thermal resistance, water absorption, and more.

### brand strength



As the “*most recognized*”<sup>\*</sup> and “*most desired*”<sup>\*</sup> name in insulation, we have the **expertise to support your marketing and sales efforts**.

\*3M™ Thinsulate™ Insulation Brand Health Tracking  
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Typical Values*	3M™ Thinsulate™ Xerogel Insulation						
Product Designation	Basis Weight		Thickness ASTM D 5736 @ 0.014KPa		Thermal Resistance (R <sub>ct</sub> ) ASTM C518 @ 0.014KPa		
	g/m²	oz/yd²	cm	inch	clo	R-value	m²K/W
X-4	76	2.2	0.4	0.16	0.6	0.5	0.09
X-6	115	3.4	0.6	0.24	0.9	0.8	0.14
X-10	230	6.8	1.0	0.39	1.7	1.5	0.26

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

$$\text{Clo (R}_{ct}) = \frac{(0.18 \text{ }^{\circ}\text{C} \times \text{m}^2 \times \text{hr})}{\text{K cal}} \quad \text{R-value} = \frac{(\text{hr} \times \text{ft}^2 \times ^{\circ}\text{F})}{\text{BTU}}$$



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



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