Reducing the weight of clothing and using natural energy makes a sustainable contribution

Introducing the light absorption heat generation test for measures against cold in winter

Functional fiber for more comfortable clothing for consumers

The development of functional fibers using advanced technologies is proceeding every day to realize a more comfortable lifestyle for consumers.

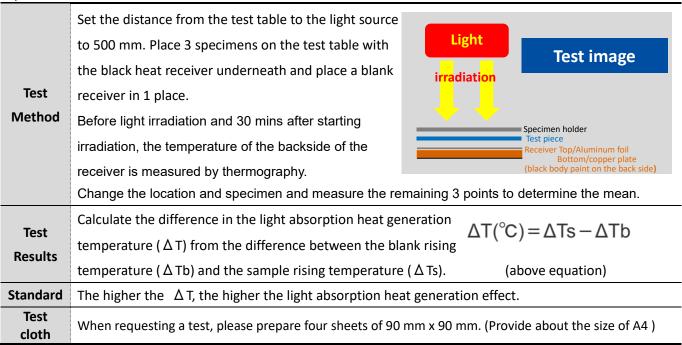
One of them are measures against cold in winter, and the main ones are the function of heat retention and heat generation by the fiber itself. The light-absorption heat generation introduced here, are functions that generate heat when fibers absorb sunlight and provide warmth to wearers.

Weight reduction of clothing in winter will lead to a reduction in resources consumed. In addition, it can be said that fibers have a functionality that includes a sustainable element in converting solar light, a natural energy, into heat.

Regarding [JIS L 1926 Evaluation Method for Light Absorption and heat generation for textile Products]

"Light-absorption and heat-generation" is a function in which zirconium carbide, efficiently converts light into heat, and kneaded into fibers to accelerate the temperature rise of the fibers and heat is released from the fibers to warm them.

JIS has also established an evaluation test for this light absorption and heat generation. For example, for JIS it is used as an evaluation method for "fabric used for clothing worn for golf, fishing, and winter trekking, etc." and has been expanded to include other uses as well.



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