THERMAL COMFORT

PERFECT SLEEP COMFORT WITH PCM TECHNOLOGY!

THE ACCUMULATED HEAT BRINGS YOU COMFORT

Kets | MATTRESS® TICKING

THE ART OF *Comfortable Sleep.*

#Comfort / #TemperatureManagement / #ThermalComfort

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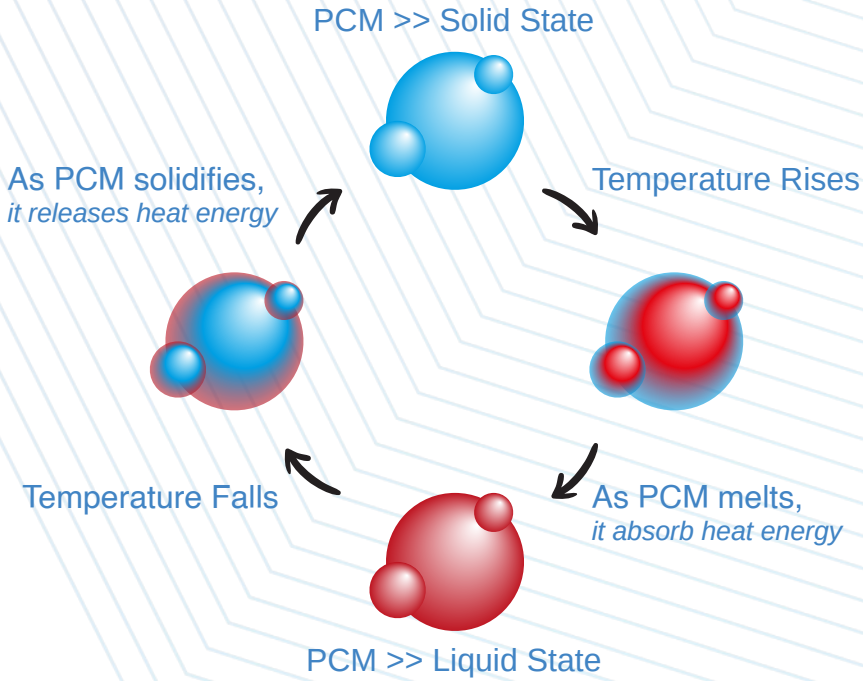
HOW DOES PCM WORKS?

PCMs absorb or release large amounts of latent heat energy during a phase change. The capsule wall protects the PCM and provides an almost unlimited number of phase change cycles.

MELTING
With increasing ambient temperature, the phase state of PCM changes from a solid state to a liquid state. During this melting process, latent heat energy is absorbed from the environment and stored. Thus, a cooling effect is achieved.

SOLIDIFICATION
This heat energy is stored until the temperature drops sufficiently and the PCM moves from a liquid to a solid state. During the solidification process, the stored heat energy is released.



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Features of Thermal Comfort Mattress Fabric?

Rest and regeneration is a basic need for living things. Since sleep quality largely depends on them, it seems that there is a constant effort to improve the inner structure and cover fabric of the beds. Microencapsulated Phase Change Materials (Phase Change Material = PCM) are used in the finishing of bedding fabrics and various bedding textiles. Such a finishing has a direct and positive effect on sleep comfort, thanks to the ability of PCMs to absorb, store and re-release large amounts of heat energy.

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Features of Thermal Comfort Mattress Fabric?

The air conditioning system of the human body is in a constant balancing activity between heat generation and the distribution of heat to the environment both day and night in order to provide optimum air conditioning (comfort) conditions in which the body will feel good. Mattress textiles treated with PCM resist overheating during sleep and support thermal comfort in the following ways:

•Absorption of excess heat energy in the human body,
•Storing this heat energy and returning it when necessary

Thus, the body's heat balance is supported to ensure a restful and longer sleep time!

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