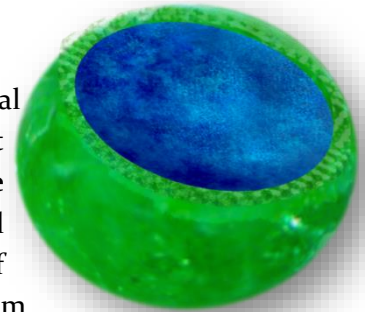


# Ceramic Gel™

## Super-Enhanced Thermal Conductivity

The infusion of micro-thin ceramic material into gel enhances its thermal conduction capability while preserving the soft, comfortable feel and high heat capacity. The resulting product, **Ceramic Gel™**, is **4 times more conductive than the original blue gel**. Combining this with highly breathable, open-cell visco enables rapid heat and moisture dissipation and convective liberation of heat. The addition of only 15% Ceramic Gel™ into open-cell visco results in a foam that has over 9 times the heat flow of conventional memory foam, which enables a much cooler and more comfortable sleep.

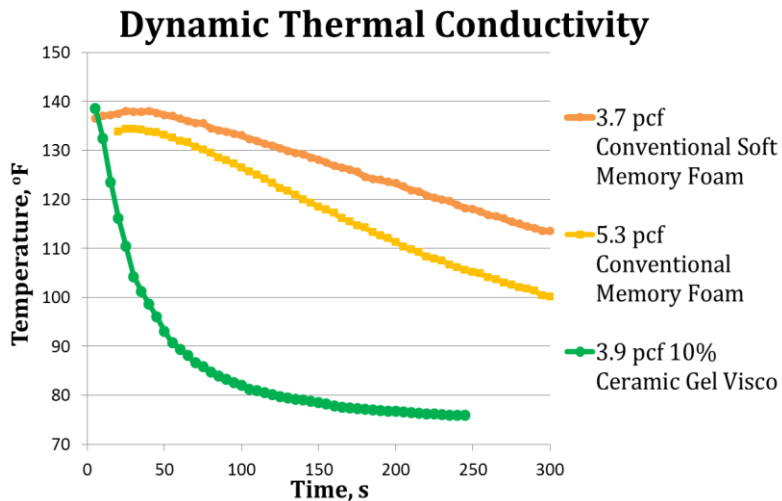
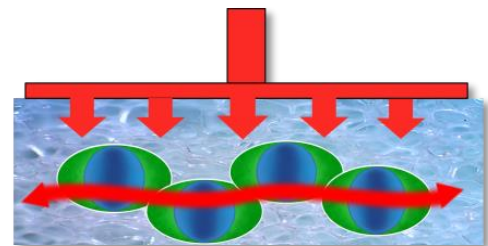


## Variable and Durable Support

A super-fine and flexible ceramic infusion adds enhanced conductivity to the exceptional comfort and support characteristics of gel. Individual ceramic-gel particles are able to interact in deep compression areas to provide pressure response that helps support and cushion the body. This combination of high thermal conductivity with the comfort of gel results in cool, pressure responsive support for bedding and other applications.

## Compression-Conduction Properties

When microscopic ceramic surface infused gel is compressed, significantly greater conduction of heat is facilitated between the adjacent ceramic gel particles. Compression leads to the closing of foam cells, inhibiting airflow so that convection is no longer favored. Heat is first transported via conduction through the ceramic gel particles to less compressed regions of the foam, where it is easily liberated by convective airflow.



## Broad Temperature Performance Range

The gel component of Ceramic Gel™ serves to widen the typical temperature performance range of conventional memory foam by elongating its glass transition temperature. This provides greater pressure relief and comfort across a wider range of temperatures, including cooler conditions where conventional memory foam stiffens.

