

## Kalypso™ 3.0 Advanced Foam Technology for Optimal Support and Pressure Relief

Engineered for complete comfort, Kalypso 3.0 advanced polyurethane foam gives your bedding and furniture consumer something they've always dreamed of. Using the latest innovations in adaptive foam technology, Kalypso 3.0 foam strikes a unique balance of performance between support, pressure relief and breathability, all while meeting the most modern certification standards for indoor air quality. Thanks to a careful selection of materials, Kalypso 3.0 foam results in dependable durability, maximum comfort and exceptional experience for the entire product life.

### Bringing Life Back into the Foam

While memory foam greatly improves pressure relief by conforming slowly to areas of pressure around the body, this approach alone doesn't provide the support and responsiveness needed for true comfort. With the introduction of a different cell microstructure, Kalypso 3.0 foam resolves this issue and brings the bounce back into the foam.

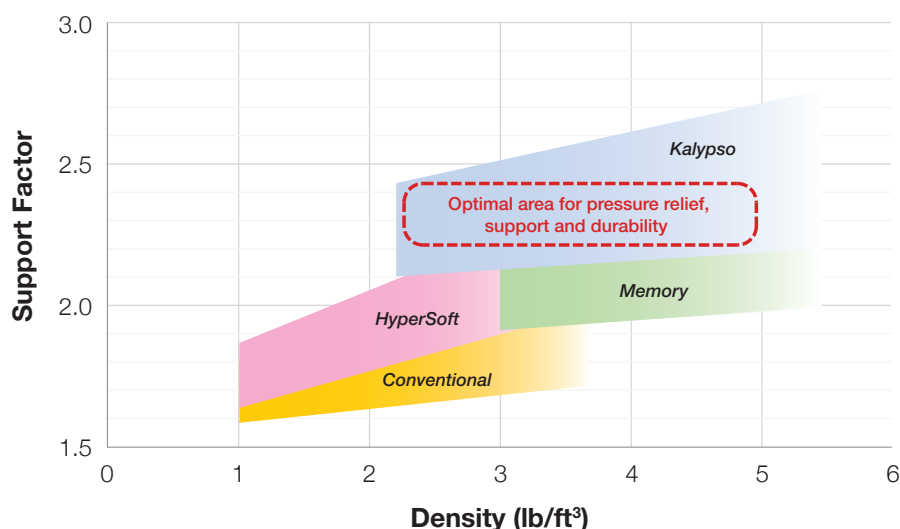


## The Strength is in the Numbers

Kalypso™ 3.0 foam is the result of formulation developments that ultimately exceed the standards set by the bedding and furniture industries as key indicators of comfort and durability. To achieve a unique balance of properties, Kalypso 3.0 foam features:

- Enhanced density, a critical parameter for overall performance, greater than 2.2 lb/ft<sup>3</sup>
- IFD bandwidth of 20 lb<sub>f</sub> to 60 lb<sub>f</sub> at 25% deflection (per ASTM D3574-11)
- Support factors higher than 2.1
- Ball rebound of 50% or more

Temperature fluctuations and humidity have no effect on Kalypso 3.0 foam, leading to consistent comfort and performance regardless of the season or the environment.



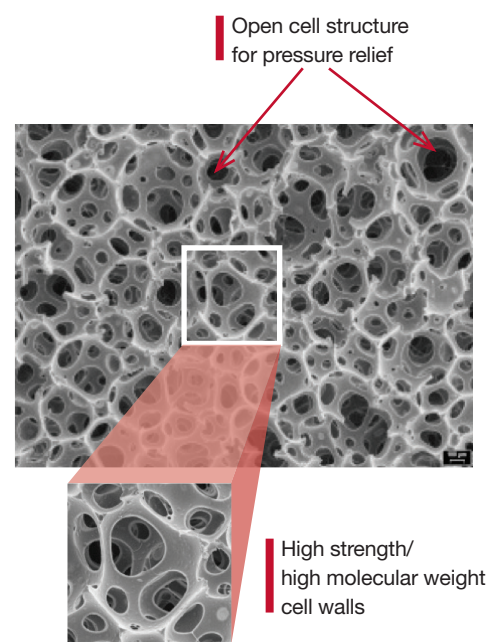
## Entering a New Era of Comfort

Whether used alone or along with other types of foam, Kalypso 3.0 foam opens new opportunities to create innovative solutions that improve comfort, achieve superior heat dissipation and meet the requirements of leading certification programs for emission control and durability.

With over 60 years of expertise in polyurethane raw materials and flexible foam chemistry, BASF provides materials and guidance to tailor your portfolio of Kalypso 3.0 adaptive foam for bedding, furniture, commercial and automotive applications, and help you take product innovation to the next level in a sustainable manner.

## Under the Microscope

Kalypso 3.0 foam creates a dense network of random open cells, separated by high-strength walls made of high molecular weight polymeric materials. The random open cell structure gives the foam a high level of conformability that provides excellent pressure relief. Simultaneously, the high-strength walls provide a dynamic response to movement, improving suppleness, enhancing posture support and creating lasting comfort for all body types and sleep styles.



## Fabrication Also Benefits

Due to the inherent uniformity of the material, Kalypso 3.0 foam offers a broad latitude of use, with ease of block handling and fabrication. In addition, Kalypso 3.0 foam is compatible with ELASTOPAN® HR Gel, further advancing performance, bun homogeneity, and overall reliability.