



Pleasant Journeys for All

Adaptive Comfort & Support Foam



Whether traveling with family and friends or by means of a ride-share program our goal is to deliver comfort to all passengers. Great journeys can begin with **Woodbridge™ Adaptive Comfort Support Foam** for automotive seating. This viscoelastic plush foam is ideal for short and long trip comfort and support in every seat, especially in seats without manual or power adjustable lumbar support controls.

Our viscoelastic adaptive foam also works well in various automotive interior components, including headrest restraints and armrests. Woodbridge Foam solutions are customizable for multiple market segments and vehicle platforms globally.

Benefits

- Conforms to occupants body shape and size
- Delivers improved showroom comfort
- Promotes correct posture control
- Significantly improves long trip comfort

Features

- Reduced temperature sensitivity -20 to 50°C temperature range
- Lumbar support solution for non-mechanized seats
- Customized foam solutions available



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To learn more about Viscoelastic Adaptive Foam, go to: www.woodbridgegroup.com/products/viscoelastic-adaptive-foam

AdaptiPedic™
Signature Comfort and Orthopedic Support Technology

Adaptive Comfort & Support Foam



Viscoelastic Foam Properties

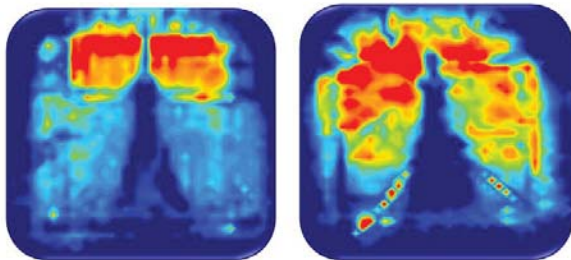
- Rate Sensitive
- Physical properties in line with automotive seating specifications
- Excellent durability
- Good compression set properties under dry and wet conditions
- Reduced temperature sensitivity over a wide temperature range (-20 to + 50 deg. C)
 - Limited firmness change compared to conventional RS foams
 - Maintains the rate sensitive behavior over larger temperature range compared to conventional RS foams
 - Controlled recovery rate

Comfort

- Reduced peak pressure in contact areas of the occupant with the seat surface
- More even occupant weight distribution over the seating area
- Self-conforming
- More accommodating seat for smaller occupants
- Providing similar comfort for larger demographics
- Showroom, more luxurious feel
- Foam firmness can be tailored to each particular area of the seat to maximize comfort

Driving Simulation Comfort Seat Body Pressure Mapping

Woodbridge Adaptive Foam™ vs. Standard Seat



- Better pressure distribution control
- Lowers peak pressure
- Lowers average pressure
- Promotes correct posture control
- Significantly improves long trip comfort

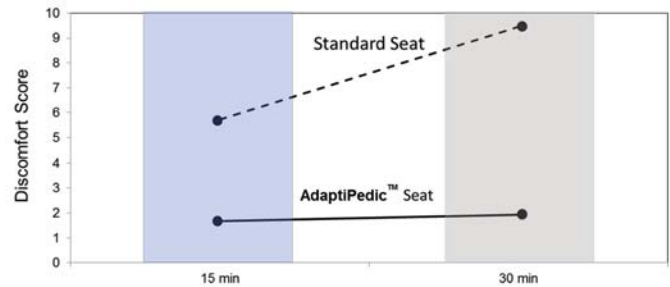


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Driving Simulation Comfort Evaluation - Discomfort Caused By Lumbar Stiffness

Woodbridge Adaptive Foam™ vs. Standard Seat



Discomfort due to lumbar stiffness across all participants increased over time in the standard seat, whereas a significantly improved comfort score was virtually maintained through the 30 minute evaluation for the **Woodbridge Adaptive Foam™** versus Standard Seat.

Temperature Dependency

Woodbridge Adaptive Foam™ vs. Conventional FSC & FSB

- Firmness vs. Temperature
- Firmness vs. Time

