

Aurora® foam is an established and trusted product with high airflow, outstanding resilience and a soft touch.

Combining durability with a spring-like feel, Aurora® foam can help ease pressure on sensitive areas, and is formulated with a wide-open cell structure, increasing the airflow by more than 50% compared to most higher airflow products in the market.



Increased airflow can lead to a cooler night's sleep



Ultimate comfort layer



Spring-like feel; great bounce-back



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# Avena<sup>®</sup>

## High Resilience Foam



The most reliable, highest airflow active response foam on the market

Avena<sup>®</sup> foam has been a trusted technology for more than 25 years.

It is a flexible, polyurethane foam that offers the feel and comfort of a latex foam, providing exceptional bounce and support.



Excellent support



Exceptional balance of durability and comfort



Flexible and latex-like



High bounce



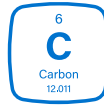
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rev.3/24*

# ELATE<sup>®</sup>

## Antimicrobial Memory Foam



COPPER



GRAPHITE



SILVER

Featuring Carpenter's latest TheraGel<sup>™</sup> technology, Elate<sup>®</sup> foam introduces copper, graphite, and silver additives encapsulated in gel bead form.

Treated for antimicrobial performance, this foam self-adjusts to conform to each individual sleeping style and reduces motion transfer across the surface.



Superior pressure relief



Reduced motion transfer for a more peaceful night's sleep



Antimicrobial performance



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# Hybrid Bliss®

## Memory Foam



Hybrid Bliss combines the properties of two of our best products:

$$\text{Serene}^{\text{®}} + \text{Isotonic}^{\text{™}} = \text{Hybrid Bliss}^{\text{®}}$$

Similar to Serene® Foam, Hybrid Bliss® memory foam is less temperature sensitive than typical memory foam, leading to consistent comfort no matter the room temperature.

Similar to our Isotonic™ memory foam products, Hybrid Bliss® memory foam offers a reduction in motion transfer for a more peaceful night's sleep.

Hybrid Bliss® memory foam is available in toppers and pillows (molded and cut).

Hybrid Bliss® memory foam is a CertiPUR-US® Certified grade.



Exceptional balance of durability and comfort



Adjustable for personalized comfort



Luxuriously plush



Available in a variety of sizes and shapes



Property	ASTM D3574	Units	VRJ10200BUB
Density	Test A	lb/ft3	2.0 nominal
25% IFD	Test BI	lbf	10 minimum
Resilience	Test H	%	<15
90% Compression Set	As Recieved (D)	%	<5
	Humid Aged (J1)	%	<5
Constant Force Pounding (12,000 cycles)	Thickness Loss (I3)	%	<1
	Firmness Loss (I3)	%	<8

\*Typical Slabstock Physical Property Values

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rev.9/23

# Hybrid TheraGel™

## Antimicrobial Memory Foam



Hybrid TheraGel™ combines the properties of our best products:

$$\text{Serene}^{\text{®}} + \text{Isotonic}^{\text{™}} + \text{TheraGel}^{\text{™}} = \text{Hybrid TheraGel}^{\text{™}}$$

Similar to Serene®, Hybrid TheraGel™ is less temperature sensitive than typical memory foam, leading to consistent comfort throughout the night.

Similar to our Isotonic™ memory foam products, Hybrid TheraGel™ offers a reduction in motion transfer for a more peaceful night's sleep.

Treated for antimicrobial performance, Hybrid TheraGel™ features our latest TheraGel™ bead technology, introducing copper, silver, and graphite additives.

Hybrid TheraGel™ provides excellent comfort, value, performance, and durability.



COPPER



GRAPHITE



SILVER



Reduced temperature  
sensitive foam



Reduced motion transfer



Antimicrobial  
performance

Property	ASTM D3574	Units	HHRGM6200WTMB
Density	Test A	lb/ft3	2.0 nominal
25% IFD	Test BI	lbf	6 minimum
Resilience	H	%	<10
90% Compression Set	As Recieved (D)	%	<5
	Humid Aged (J2)	%	<5
Constant Force Pounding (12,000 cycles)	Thickness Loss (I3)	%	<1
	Firmness Loss (I3)	%	<5

Typical physical property values



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# intuition™ Memory Foam

Experience superior pressure relief on a plush and supple memory foam.

Intuition™ memory foam is the ultimate comfort layer, providing an elevated sleep experience.



Enhances high quality transition layers



Ultimate comfort layer



Plush and supple



Superior pressure relief



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Intuition is a trademark of Carpenter Co.  
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Introducing **Isotonic™+**, Carpenter Co.'s latest advancement in memory foam technology. This innovative foam offers the same great features of our classic Isotonic™ memory foam grades plus enhanced performance and durability.

**Isotonic™+** is approved for compressed mattresses and is CertiPUR-US® certified.



Enhanced performance and durability



Reduced motion transfer for a more peaceful night's sleep



Enhanced pressure relief



Plush and supple



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The most trusted name in furniture cushion since 1970

Qualux<sup>®</sup> meets your demands for comfort, support, resilience, and consistency. The material has a soft surface, yet firms up quickly when compressed, providing proper body support in all seating applications. From office seating to luxurious home furnishing, Qualux<sup>®</sup> high resilience foams help make products more comfortable, durable, and marketable.



The high support factor and high resilience of Qualux<sup>®</sup> results in a better “ride” in the cushion.



When tested against other foams using standardized dynamic fatigue tests, Qualux<sup>®</sup> performs much better than other high-resiliency and conventional products. This results in fewer returns and customer complaints.



Qualux<sup>®</sup> and Qualux<sup>®</sup> Ultra foams meet the environmental criteria for CertiPUR-US<sup>®</sup>.



All Qualux<sup>®</sup> and Qualux<sup>®</sup> Ultra materials pass the current California 117 flammability standards.



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# Serene<sup>®</sup>

## Foam



Sleeping on air never felt so good

Serene<sup>®</sup> foam was created by Carpenter Co. to offer the best in comfort and support. It is soft, yet versatile: it can be used for pillows, toppers or as a traditional comfort or transition layer for mattresses.

Its unique collection of attributes make for a superior product.



Supportive Air Technology<sup>™</sup> – Serene<sup>®</sup> foam is designed with billions of microscopic air capsules to enhance support while reducing pressure on sensitive areas of the body.



Serene<sup>®</sup> foam minimizes motion transfer across the sleep surface.



Unlike memory foam, Serene<sup>®</sup> foam is not temperature sensitive, remaining plush and comfortable throughout the night.



Exceptional performance – reduces pressure



Property	ASTM D3574	Units	HR12250BU	HR22250BU
Density	Test A	lb/ft <sup>3</sup>	2.50 nominal	2.50 nominal
25% IFD	Test B <sub>1</sub>	lbf	12 minimum	22 minimum
Supportive Air	Carpenter Proprietary	lbf	4.75 nominal	9.0 nominal
Resilience	Test H	%	20 to 30	20 to 30
Compression Set	75% as received (D)	%	< 3	< 3
	90% as received (D)	%	< 3	< 3
	50% Wet Heat (L)	%	< 5	< 5
Constant Force Pounding (12,000 cycles)	Thickness loss (I <sub>3</sub> )	%	< 2	< 2
	Firmness loss (I <sub>3</sub> )	%	7	13

\*typical physical property values

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IsoFresh and Supportive Air Technology are trademarks of Carpenter Co.  
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# TRANQUIL<sup>®</sup>

## Memory Foam



Meet the most reliable, highest airflow memory foam on the market

Tranquil<sup>®</sup> foam is the most breathable memory foam on the market, with airflow measurements as high as 10 scfm. It reduces pressure while providing unprecedented durability in the viscoelastic foam category.



Motion dampening with extremely high airflow



Exceptional balance of durability and comfort



Individual response to body contours and temperature



Fast recovery without increasing pressure

Property	ASTM D3574	Units	VR8250PE	VR13300PE
Density	Test A	lb/ft <sup>3</sup>	2.50 nominal	3.0 nominal
25% IFD	Test BI	lbf	8 minimum	13 minimum
Airflow	Test G	scfm	8+	5+
Resilience	Test H	%	<10	<10
90% Compression Set	As received (D)	%	<5	<1
	Humid aged (J2)	%	<5	<1
Constant Force Pounding (12,000 cycles)	Thickness loss (I3)	%	<1	<1
	Firmness loss (I3)	%	<5	<5

\*Typical physical property values



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# TRANQUILITY<sup>®</sup>

## Active Response Foam



The most reliable, highest airflow active response foam on the market

Tranquility<sup>®</sup> foam is the most breathable active response foam on the market, providing 2X more airflow compared to other products.

Tranquility<sup>®</sup> foam offers excellent support and unprecedented durability.



More breathable than any other foam on the market



Exceptional balance of durability and comfort



High reliability



Increased support and active response

Property	ASTM D3574	Units	HPRI1250PE	HPRI1300BU
Density	Test A	lb/ft <sup>3</sup>	2.50 nominal	3.0 nominal
25% IFD	Test BI	lbf	11 minimum	11 minimum
Support Factor	X3.1		2.3	2.4
Airflow	Test G	scfm	8+	8+
Resilience	Test H	%	25+	30+
90% Compression Set	As received (D)	%	<1	<1
	Humid aged (J2)	%	<1	<1
Constant Force Pounding (80,000 cycles)	Thickness loss (I3)	%	<1	<1
	Firmness loss (I3)	%	<5	<3

Typical physical property values



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