ADVANCED COMPOSITE SPRINGS

STRENGTH & FLEXIBILITY
FOR RELIABLE, REPEATAEBLE PERFORMANCE

RAISE THE HEAT on fatigue life and design flexibility with unidirectional thermoset composite springs for vibratory sorting and conveyors.

COMPOSITES VS. STEEL

70% LIGHTER

- Composites are up to 70% lighter than steel.
- Composites resist corrosion; steel rusts easily unless it is painted or coated.

FLEX, RETURN, REPEAT

1.5+ MILLION CYCLES

Avient composite springs are tested to 1.5+ million cycles with no loss of spring rate.

TAKE THE HEAT

300° FAHRENHEIT

Avient composite springs maintain performance levels even in high temperature applications up to 300°F.

WHAT’S IN A NAME?

Vibratory springs are known by many names including flippers, slats, springs, energizers, exciters, arms, and rocker plates. Whatever they’re called, composites can add long-lasting strength and flexibility for reliable, repeatable performance.

WHAT’S SHAKING?

Sorting & conveying equipment applications include:

THERMOSET COMPOSITE VS. STEEL

RAISE THE BAR on fatigue life and design flexibility with unidirectional thermoset composite springs for vibratory sorting and conveyors.

STRONG & FLEXIBLE FOR RELIABLE, REPEATAEBLE PERFORMANCE

WHAT’S SHAKING?

Sorting & conveying equipment applications include:

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TRADITION OF EXCELLENCE

Based on the proven performance of Gordon Glass™, the material of choice in composite archery bow limbs since 1953, our thermoset composite springs deliver unmatched strength & deflection for the most demanding applications.

MADE IN THE USA

American-made quality and craftsmanship come standard in every spring. Avient’s Gordon Composites™ materials are sourced from US suppliers and proudly manufactured in Montrose, Colorado.

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Thermoset composite springs from Avient are engineered with proprietary vinyl ester or epoxy resins and unidirectional fiber reinforcement technologies. These formulations achieve long-lasting, consistent flexing performance in a variety of cantilevered applications.

To learn more, download our Composite Springs Product Selection & Installation Guide or contact Avient at +1.844.4AVIENT or visit www.avient.com.