

NO-SHOCK[®] anti-static fibers

PA66 Bi-component Fiber for Industrial, Technical, Textile and Carpet Applications



RISE ABOVE THE STATIC

No-Shock[®] anti-static fiber from Ascend Performance Materials is an economical, permanent anti-static solution for all fabrics. The No-Shock line of high-quality products delivers unparalleled functionality to our clients. From activewear and military uniforms to conveyor belts and copier brushes, No-Shock offers benefits across a range of applications.

NO-SHOCK AT A GLANCE

Completely customizable

Static-free

Cling-free

Hair-repellent

Dust-repellent

Chemical-free

Meets anti-static specs & other requirements

Meets all surface resistivity & static decay test requirements

100% manufactured in the USA

With a wide range of products and an assortment of applications, No-Shock[®] can meet your needs. All products are multifilament, with a variety of yarn cross-sections, denier choices, dpf and degree of orientation available. Let us help find your solution.

A RANGE OF GLOBALLY-USED FIBERS

Ascend has been supplying bi-component fiber technology globally for over three decades. The anti-static material is an inherent part of our fiber, not a treatment or post-application, so it lasts as long as the fiber or fabric.

Our fibers are used in industrial work wear, flame-retardant garments, military uniforms, conveyor belts, industrial filters, copier brushes, flexible intermediate bulk containers (FIBC), carpets and rugs, and most fabric applications requiring static dissipation. Both nylon- and polyesterbased products are now available.

BI-COMPONENT TECHNOLOGY

All of our No-Shock products (undrawn filament, drawn filament, staple fibers and sliver forms) are based upon our tried and proven bi-component fiber technology. One polymer filled with solid conductive material forms a stripe(s), a sheath, a core or some combination within the thread line. The second polymer, called the carrier or unfilled polymer, provides strength, elongation and tensile properties for the fiber depending on the application.





SCHEMATIC VIEW & CROSS-SECTION DESIGNS

Blue section indicates conductive component section

CORE

circular or other shape.



SINGLE STRIPE



TECHNICAL TEXTILES

INDUSTRIAL WORKWEAR

Drawn Filament: 20-2-B3D or higher increment of 20 denier **Staple Fiber:** 201, 301 and 401 Series

MILITARY UNIFORMS

Drawn Filament: 20-2-B3D or higher increment of 20 denier **Staple Fiber:** 201, 301 and 401 Series

ELECTRONICS WORKWEAR

Drawn Filament: 20-2-B3D or higher increment of 20 denier

FLAME-RETARDANT GARMENTS

Drawn Filament: 20-2-B3D or higher increment of 20 denier Staple Fiber: 201, 301 and 401 Series

CARPET

Drawn Filament: 18-2-E5D, 20-2-B3D Undrawn Filament: 33-2-E5N, 33-2-E0N, 33-2-B0N Staple Fiber: 905-9CB, 601-100-E0S, 150-100-SCS

MULTIPLE STRIPE

Conductive material in continuous stripes along the length of the filament. Surface conductor.



OFF-CENTER CORE

Conductive material near the surface, but not at the surface. More than one conductive segment may be present.

SHEATH

Conductive material surrounds the center material in the filament.





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Ascend Performance Materials is committed to innovation and focused on quality. A global leader in proprietary technologies central to the production of chemicals and PA66 plastics and fibers, Ascend products can be found in thousands of commercial and industrial products. With five manufacturing locations in the southeastern United States and global sales offices and logistics, our world-scale, integrated manufacturing facilities enable us to develop new products from core technologies and provide flexibility to respond to the expanding needs of our customers.

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inspiring everyday