



DEPUTY DELUXE® PLUS FABRIC
THE SCIENCE BEHIND THE DIFFERENCE



Why choose Horace Small Deputy Deluxe Plus (polyester/rayon/lycra) uniforms over other uniform brands?

STOCK VS. PIECE DYE

- + Horace Small's polyester/rayon blend fabric uses the stock/fiber dye process
- + Stock dyeing involves dyeing the fibers (stock) before it is spun into yarn. This process ensures color consistency in the yarn
- + Piece dye consists of dyeing cloth after it has been woven. It is difficult to ensure color consistency with this process. Often the shade has variations from dye lot to dye lot

BENEFITS:

- + Ensures color consistency
- + Better color retention
- + Softer hand

TWO-PLY VS. SINGLE-PLY YARN

- + Horace Small uses only two-ply yarns
- + Plying is a process which creates strong, balanced yarn
- + A ply is created when individually twisted yarns are assembled together
- + A single-ply yarn is a single strand of twisted yarn. It is weaker and less balanced than a two-ply yarn.

BENEFITS:

- + Smoother, refined appearance
- + Stronger Fabric



2 PLY



3 PLY



4 PLY

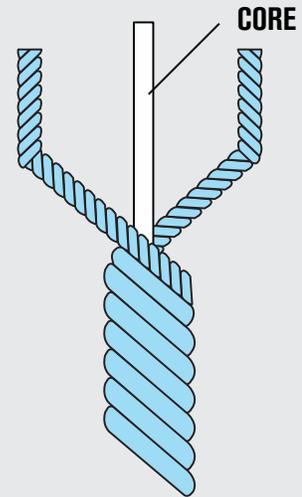


CORE-SPUN VS. WRAP-SPUN LYCRA®

- + Horace Small is the only manufacturer that uses Lycra produced using the core-spun process. All other manufacturers use fabrics that are produced using the wrap-spun process.
- + Core-spun: Lycra is spun inside the yarn. Wrap-spun: Lycra is twisted on outer body of yarn.
- + Core spun protects the Lycra by wrapping the other fibers around the Lycra at the center. Wrap spun allows the Lycra to be damaged during washing and wear.

BENEFITS:

- + Stretch lasts longer
- + Fabric more durable



*Lycra in trousers only

LONG VS. SHORT STAPLE FIBER

- + All Horace Small Polyester/Rayon fabrics are produced on the worsted spinning system with long staple fiber, as opposed to short staple fiber which is produced on the cotton system
- + Staple (fiber) length is critical for ensuring strong yarn
- + Long staple yarn results in fabrics with a better hand and feel
- + Short staple breaks easily and is not pulled out as much as long staple. This breakage results in problems with pilling, abrasion and tensile strength

BENEFITS:

- + Stronger, more durable fabric
- + Softer hand
- + Less pilling and abrasion

INTIMATE VS. NON-INTIMATE BLENDS

- + All Horace Small polyester/rayon blend fabric utilizes the intimate blended system
- + The fibers are evenly blended throughout the spun yarn. The fibers do not retain their individual characteristics and therefore produce optimal color and shade consistency
- + A non-intimate blend uses different yarns which retain their individual characteristics. This results in fabrics which may not present a solid color appearance

BENEFITS:

- + Deeper color that stays true longer
- + More consistent color



CAUTION: Garments contained in this catalog meet government flammability Class 1 requirements but do not provide protection from ignition sources, molten substances or chemical exposure. Special flame-resistant garments are available if required.

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