



Recommendations for Weaving Innegra™ S Yarn

Like most technical yarns, Innegra™ S yarns have some unique characteristics that users need to learn how to adapt to their processes. Here are some general recommendations when beginning to weave fabrics with Innegra™ S yarns.

- **Rapier looms are recommended.**
- **Recommend weaving with twisted yarn (0.75 twist per inch).**
- **Recommend processing at slower speeds initially until you gain experience working with the fiber.**
- **Maintain a consistent tension on the yarn.** Sudden tension changes can allow the yarn bundle to balloon, leading to strip-backs and snags.
- **Recognize the yarn diameter is probably thicker than you are used to.** The density of Innegra™ S is as much as $\frac{1}{4}$ that of other technical yarns, meaning that for the same yarn denier, the yarn diameter may be as much as 2x larger. Check the diameter of your yarn guides and eyelet holes to make sure there is adequate clearance to allow the yarn to pass through smoothly.
- **Minimize contact points.** Too much friction can cause the yarn to fibrillate. Eyelet holes or yarn guides that are too small will rub the yarn and cause strip-backs.
- **Use static control.** Like most synthetic fibers, Innegra™ S handling is improved by static control at guide points. Misting or static bars have been found to provide adequate static control.

US Patents 7074483, 7445843 and 7445842.
Additional patents pending
Materials Safety Data Sheet : See www.innegrity.com
Hazard Statement: Innegra S is not considered to be or contain hazardous chemicals based on evaluations made by Innegrity LLC under the OSHA Hazard Communication Standard 29 CFR 1910.1200

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