

Milliken Agilus™ SP

Spike Protection Technology

**RESISTANT.
TOUGH.
FLEXIBLE AND COMFORTABLE.**

Proven spike protection for vests



TESTED DURABILITY

Milliken Agilus™ SP technology is an innovative treatment that increases fabric resistance to spike stabs while using less material for protection. When Agilus™ SP is applied to para aramid fabrics, it controls yarn-on-yarn friction so layers can easily lock into place and create an impressive wall of defense. Now the peace of mind you seek is available in lighter-weight gear.

- ▼ **Oil migration testing** measures the resistance of migration/contamination from other protective materials which may be included in the pack such as greige anti-ballistic fabrics. Agilus fabrics proved superior to other spike-resistant fabrics in this type of testing.
- ▼ **Tumble testing** using our Spike Level 3 Agilus 600d fabric tumbled at NIJ 0101.06 – section 5 produced 100% passing results in both Milliken and Chesapeake testing labs.
- ▼ **Ballistic II (NIJ 0101.06) testing** shows Agilus-treated fabric also has ballistic resistance properties.



Spike Testing Summary – NIJ 0115.00

Level 3 – 16 plies of Agilus SP fabric – 0.50 psf (2.4 kgsm)

Level 2 – 14 plies of Agilus SP fabric – 0.44 psf (2.1 kgsm)

Level 1 – 11 plies of Agilus SP fabric – 0.34 psf (1.7 kgsm)

Ballistic II, Spike 3+* (NIJ 0101.06)

36 plies of Agilus SP fabric – 1.12 psf (5.5 kgsm)

•preliminary testing

Performance information is based on C1060 spike testing at the Milliken and Chesapeake facilities. Additional plies may be needed if other materials used in the pack restrict movement of the Agilus SP plies.



Performance and efficiency

Achieve the same spike protection with less fabric for comfortable vests and lower total material costs.

Agilus material is agile with weight savings of 25% making vests lighter, thinner, more flexible and wearable.

Fabric Specs: 600 denier / 4.55 osy (150 gsm) at 63" width (160 cm)

|| MILITARY.MILLIKEN.COM ||

Milliken™

©2022 Milliken & Company. All rights reserved.

Please note: as each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing. Milliken and Agilus are trademarks of Milliken & Company.