



Personal Protective Equipment

VIDEO: PPE Seam Strength Demonstration

Brought To You by DuPont Personal Protection | Mar 03, 2025

Watch DuPont Personal Protection compare three essential protective garment seams for Tyvek® Garments: Taped Seam, Bound Seam, and Serged Seam.

In this demonstration, three types of seams were tested using a powerful air blower to check their ability to protect against particles. To conduct the tests, Calcium Carbonate (CaCO_3) was added to the seams solely for experimental purposes. This helps to see if particles would leak through the seams during the blow test.

The Taped Seam is the strongest, known for its exceptional ability to guard against harmful substances. It formed a strong barrier against particles, even against the powerful blower.

Next, the Bound Seam is tested. While it does a good job, it faces some challenges compared to the Taped Seam.

Last, the Serged Seam is tested. Note, the Serged Seam doesn't protect against particles as well as the Taped Seam.

The air blower test helps us see if particles escape through its seams, which helps identify the protection properties of different garment configurations.

While the Taped Seam is the clear winner, offering the best protection against particles, not all safety needs are identical. DuPont encourages you to take a full assessment of a garment's fabric, design, and seam structure to ensure your team's safety in hazardous environments.

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