

Teijin Aramid launches finest filament yarn in the world

The company announced that they will launch a new higher performing lightweight aramid yarn. This new yarn is the finest filament based on aramid in the world and provides better ballistic protection in body armor for police, soldiers and law enforcement officers. The new Twaron 550f1000 has the highest tenacity in combination with breaking strength in Teijin Aramid's portfolio.

[Innovations, Aramid Fiber](#)

The new Twaron 550f1000 consists of 1000 filaments which means that it has significantly higher performance than other yarns. The new yarn will be mainly used in soft anti-ballistic products for the police, law enforcement and military markets where the current trends are towards lightweight and comfortable bulletproof vests that comply with strict safety regulations. In a woven fabric the yarn could be used for anti-ballistic and anti-stab products. It has an excellent fragment resistance, it improves the resistance in exposure to the blast effects of roadside bombs and it provides better bullet protection.

For the development of this yarn, Teijin Aramid invested millions of euros and resources to come up with such a high performing lightweight anti-ballistic product. Karl Henke, Business Manager Ballistic at Teijin Aramid says: "This new yarn is our response to the demand for lightweight ballistic protection, which itself is the result of the increasing threat of violence in society. Police officers, soldiers and even private citizens who require protection will start wearing a bulletproof vest earlier when the weight and comfort is even better than nowadays."