



FORMOSA PLASTICS GROUP

Smart Innovation and Sustainability

For TITAS 2019, Formosa Plastics Group (FPG) carries the theme of "Smart Innovation and Sustainability" for its exhibits to reflect its determination to implement a green policy while presenting high-quality, high-tech and high-value textiles.

The FPG pavilion at TITAS 2019 is a joint exhibition from Formosa Chemicals & Fibre, Formosa Plastics, Nan Ya Plastics and Formosa Taffeta. The pavilion features five image areas – Fashion and Down, Sportswear In Style, Bio-friendly and Sustainability, and Industrial Materials – all to highlight the Group's latest textile collections and their comprehensive applications in fashion, sportswear, outdoor and industrial sector. FPG's fiber lines cover polyester, polypropylene, rayon, elastic, carbon, polyamide, and functional fibers, all serving as materials for Formosa Taffeta to develop into sophisticated fabrics by incorporating advanced green and performance technologies. Please visit our Pavilion and experience for yourself the superior quality and technology the Group has to offer.

FORMOSA TAFFETA (FTC)

Innovative A⁺ Smart Thermoregulation Clothing and Green Woven Products !

- [A⁺ Smart Thermoregulation Clothing](#)

Is the result of joint cross-industry collaboration supported by Department of Industrial Technology, Ministry of Economic Affairs, combining efforts from the textile, telecommunication, electronic and garment industry. FTC A⁺ Smart thermoregulation clothing offers comfortable and naturally soft touch along with thermal and light-emitting components. These materials can be monitored through mobile devices, smart watches and mobile phones. Smart thermoregulation clothing emits even heat, heats up rapidly, is safe to wash, and is ideal for extreme sports or cold climates.

- [Eco-friendly fabrics](#)

As part of fulfilling its corporate social responsibilities, FTC is deeply committed in developing eco-friendly material. Key products include: ocean plastic recycled fabric, recycled polyester fabric, BOOMETEX[®] recycled polyester, cationic dyeable polyester fiber and eco-friendly nylon fabrics, Umofil[®] / collagen fabric, dope dyed fabric, AQUAOFF^{*} Waterless Eco-dyed, Fonewr[®] eco-HT, and more.

- [Special woven fabrics](#)

Made with Dupont's fire retardant fiber NOMEX[®], these woven fabrics are water repellent and moisture-absorbing with infrared camouflage features - applicable for industrial safety garments, firefighting, military, and police uniforms. Safety fabrics include damper fabrics with low formaldehyde. Other highlights include bullet-proof, abrasion-proof KEVLAR[®] used for bullet-proof helmets and shields, and the new-generation bullet-proof vest materials.

- [Carbon fabrics](#)

Various carbon fiber and composite materials, uni-direction prepreg fabrics and multi-axial fabrics for applications in sports goods, bicycles and construction reinforcement. Another application is protective cases for electronic products including mobile, laptop and tablet devices. New application development includes electric cars, yacht and wind turbine blades.