

## Market We Serve: **Tire**



### Speed, Strength and Durability

Since 1972, Performance Fibers has been a leader in the innovation, production, and fabrication of advanced materials for tires. Today, we remain committed to developing and producing some of the world's most advanced tire reinforcements to meet the evolving needs and requirements of the tire industry.

With latest manufacturing facilities and technology center in Asia, we supply our customers around the world with consistent, high quality materials, timely delivery and continually upgraded technology.

### Product Features and Benefits

- DSP® fiber is a high modulus, low shrinkage product with good dimensional, thermal and chemical stability. This fiber can provide high-performance reinforcement with virtually no moisture absorption, high strength, high dimensional stability and crisp handling
- UNITEC™, specifically designed for use in carcass with extra high dimensional stability, with its extra high modulus, low shrinkage and low creep, provides enhanced handling characteristics for passenger car tire
- THERMTEC™, designed for use in carcass of UHP and high endurance light truck tires, provides high thermal adhesion to rubber and minimizes heat-generated delamination and failure; THERMTEC™ can be considered for use as an alternative to rayon in UHP tire.
- PLYTEC™ is a breakthrough technology that has been developed to successfully replace Nylon 6 and 66 in motorcycle bias tire carcass; it gives nylon-like properties that enable tire to pass indoor drum test and field test designed for Nylon-based tire, yet inherits the polyester properties that allow curing at higher temperature and enhance tire ride and handling performance.
- With the trend to develop light-weight tire in the industry, development of extra high tenacity tire cord based on ECOTEC™ technology is underway. ECOTEC™ allows carcass weight reduction through lower cord gauge or ply reduction with the same overall ply strength and safety factor.
- Aramid and its hybrid with Nylon 66 or PET have provided a broad spectrum of mechanical properties allowing high performance cap ply, carcass and belt be built in high performance tires for racing car, passenger car, OTR and motorcycle.

Please contact our local representative for recommendation of products for your needs.

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