

HYOSUNG ADVANCED MATERIALS,

We assure customer safety and satisfaction through optimized cutting-edge materials

Hyosung Advanced Materials produces high-strength industrial yarn, textiles and cord materials used in automobiles, civil engineering & construction, agriculture, military, etc. It continues to reinforce its capabilities and competitiveness by developing and commercializing products such as tire cords, seatbelt yarn and airbag fabric which are already ranked no. 1 in the global market, and new materials that will lead to sustainable growth.

HYOSUNG ADVANCED MATERIALS, a Solution Provider to the automotive industry

01 Tire & Industrial Reinforcements PU

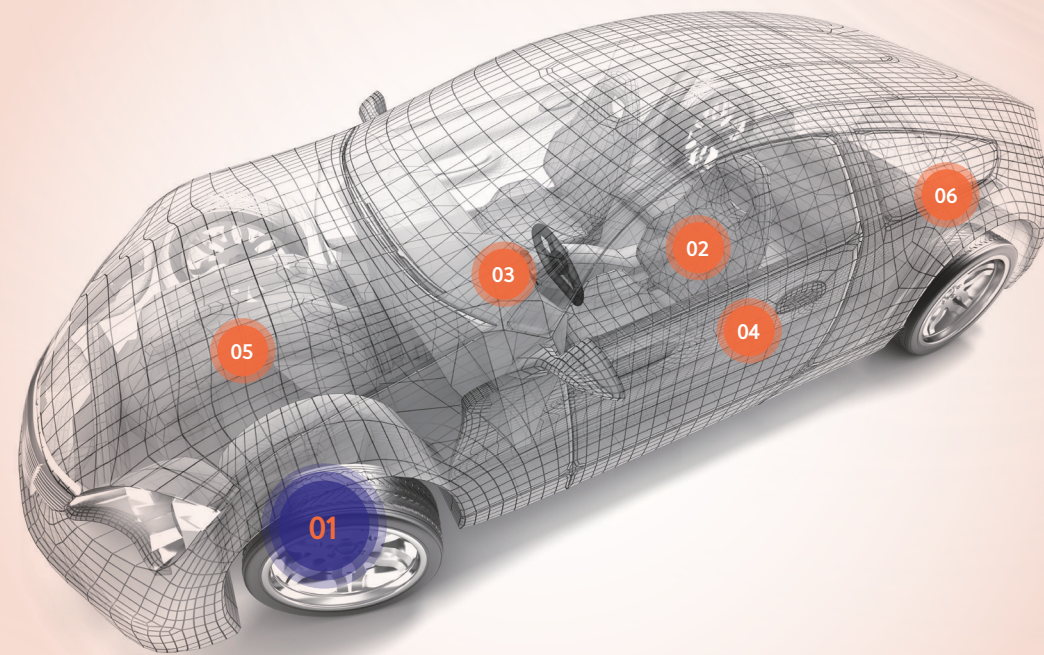
- Textile Cord
- Steel Cord
- Bead Wire

02 Technical Yarn PU

- Seatbelt Yarn
- Airbag Yarn
- Other Industrial Yarn

03 Global Safety Textiles

- Airbag Fabric & Cushion



04 Interior PU

- Roll/Tile Carpet
- Automotive Carpet
- BCF Carpet Yarn

05 Aramid Division

- Ballistic Protection
- Mechanical Rubber Goods
- Other Aramid Products

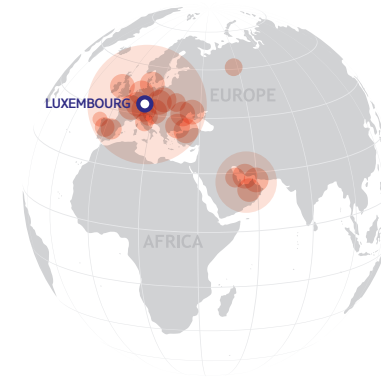
06 Carbon Fiber Division

- Carbon Fiber & Prepreg



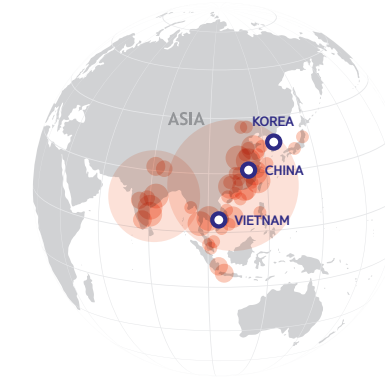
19 business sites in 4 countries

- U.S.A.
- BRAZIL
- MEXICO
- PANAMA



18 business sites in 10 countries

- LUXEMBOURG
- ITALY
- ROMANIA
- SPAIN
- UK
- GERMANY
- POLAND
- RUSSIA
- TURKEY
- SOUTH AFRICA



77 business sites in 15 countries

- KOREA
- VIETNAM
- INDONESIA
- MALAYSIA
- PHILIPPINES
- TAIWAN
- U.A.E.
- SAUDI ARABIA
- CHINA
- INDIA
- JAPAN
- MYANMAR
- SINGAPORE
- THAILAND
- QATAR

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Tire Reinforcements Business of HYOSUNG ADVANCED MATERIALS

HYOSUNG ADVANCED MATERIALS has been in the tire reinforcements business since 1968 when we became the first Korean company to produce nylon tire cord. As well as polyester tire cord, we also began producing steel cord and bead wire over time and have grown into the largest company of global tire reinforcements industry equipped with integrated production and supply systems for tire reinforcements, earning the trust of customers all around the world. Hyosung Advanced Materials is globally recognized for the quality and technological capabilities of our products. Our polyester tire cord in particular has been maintaining the largest share of its respective global market, and our products are being supplied to the world's leading tire manufacturers.



THE WORLD'S ONLY MAKER

Hyosung is the world's only manufacturer operating an integrated supply system for tire reinforcements producing and providing all core materials – textile cords, steel cords and bead wires.



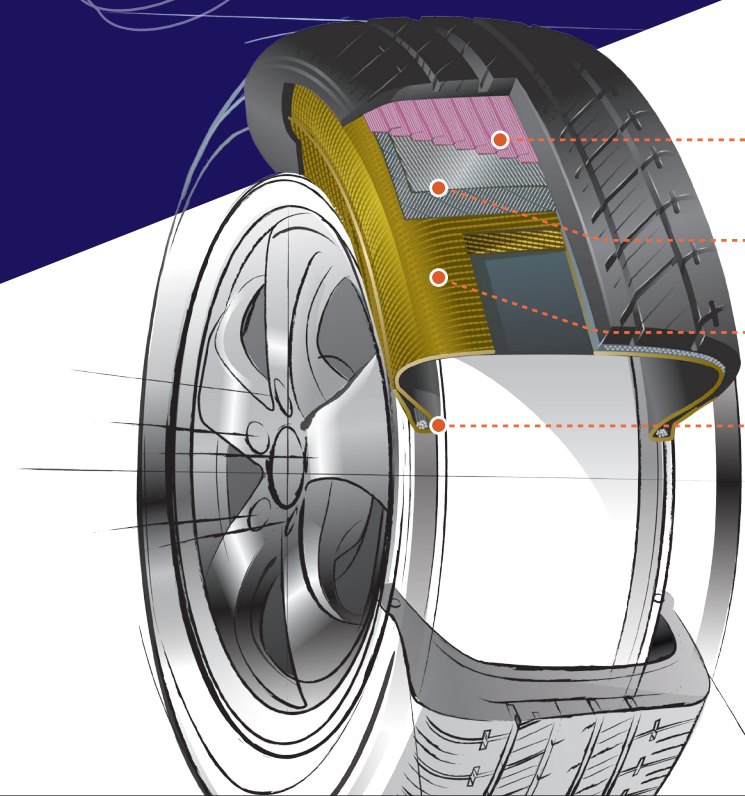
GLOBAL PRODUCTION SYSTEM

Having established an optimized global production system in various places, including China, Vietnam, US, and EU, Hyosung is able to provide stable supply of products and timely customer services.



LEADING TECHNOLOGY AND QUALITY

Hyosung has successfully commercialized cutting-edge products such as ultra-high tensile and ultra-high modulus products. We are now available to supply not only Textile (PET, Nylon) and Steel (S/C, B/W), but also Aramid (ALKEX®) and Carbon fiber (TANSOME®) for exploring future mobility.



Capply (Nylon Tire cord, etc.)
: Keeps the tire in shape

Belt (Steel cord)
: Grants Lateral Stiffness

Carcass (PET Tire cord, etc.)
: Bears the load

Bead Wire
: Keeps the tire attached to the rim

Other Reinforcing Materials
(Chafer, etc)

Textile Cord

Textile cord is reinforcing material that constitutes the inside of a tire and is a vital material that helps tires maintain their shape and makes driving more comfortable. In Polyester tire cord sector in particular, one out of two passenger cars in the world uses textile cords produced by Hyosung Advanced Materials, demonstrating our unrivaled position in the sector.

COMMERCIAL TEXTILE CORDS

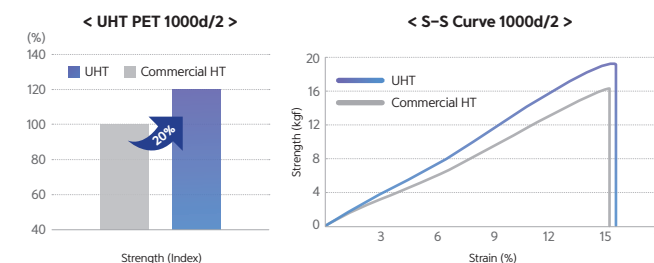
Hyosung Advanced Materials has been supporting customers over 50 years, and we have been supplying various kinds of textile cords to valuable customers. Please contact our sales office in your region for the commercial textile cords information.

ADVANCED TEXTILE CORDS

Hyosung Advanced Materials has highly advanced textile cords portfolios that satisfy every Tire manufacturer's needs

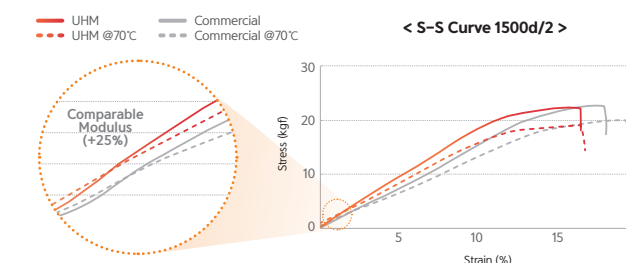
UHT(Ultra High Tensile strength) PET

- Weight Reduction (By Gauge and Ply number Reduction)
- Low Rolling Resistance



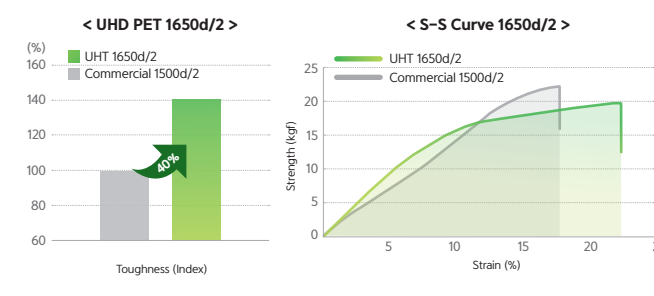
UHM(Ultra High Modulus) PET

- Rayon Replacement
- Performance Improvements (Riding & Handling, Flat-Spot)



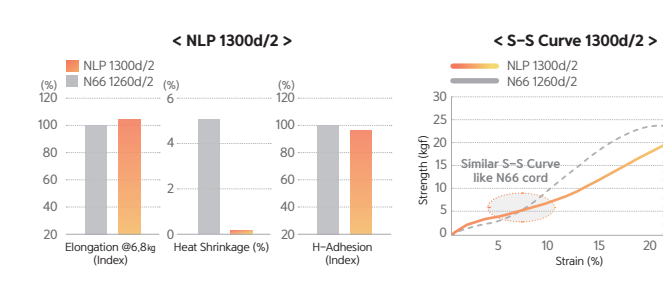
UHD(Ultra High Durability) PET

- Enhancing Durability (Better Fatigue resistance)
- Mileage improvement



Nylon Replacement PET

- Cost Saving
- Improving Tire Uniformity



Steel Cord

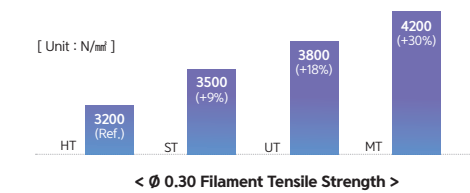
Steel cord is applied to the carcass and belt of radial tires for commercial vehicles such as trucks and buses. It helps to maintain the structure of the tires, and provide the necessary functions of tires. Steel cord is also applied to the belt of radial tires for passenger car, and improves the strength of the thread so that the car may travel stably at high speeds.

ADVANCED STEEL CORDS

Hyosung Advance Materials is globally No.1 UT(Ultra Tensile strength) Steel cord supplier. Our UT cords are produced through an optimized production process with high technologic facilities.

UT(Ultra Tensile strength) Steel

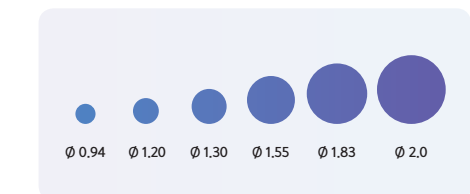
UT products have the advantage of being resistant to impact and fuel efficient By reducing a belt weight. According to the customer's request which is higher tensile strength, We will be a proper solution partner.



Bead Wire

Bead wire plays an important role in reinforcing the rim for all type of tires by helping the wheel and tire to fit together tightly. Bead wire prevents the tire and wheel from separating even when the tire's air pressure drops sharply during the drive.

As Hyosung's bead wire is available in various strengths and thickness, Hyosung is able to customize its products according to the various customers' needs. In addition, Hyosung is producing lighter and stronger bead wire through continuous research and development contributing to the improvement of fuel efficient producing lighter tires.



Hose Wire

Wire for high-pressure hoses is a pressure-resistant wire. Hyosung's steel wire for high-pressure hoses is an excellent product with superior pressure resistance and adhesion to rubber.

R&D Network

We have established a R&D center in every production site to enhance the efficiency and effectiveness of application. The core staff of the center's technical and management teams have more than a decade of experience in providing better solution for lighter and better fuel consuming tires. Hyosung provides you with full support wherever you go and whatever your development plans.

