HS HYOSUNG ADVANCED MATERIALS

Main Office

HS HYOSUNG ADVANCED MATERIALS Corporation

119 Mapodae-ro, Mapo-gu, Seoul, Korea

T. 82-2-707-6114

www.hshyosungadvancedmaterials.com

HS HYOSUNG Advanced R&D Center for Tech and Innovation (HARTI)

HS HYOSUNG R&D Center (HQ)

74 Simindaero, Dongan-gu, Anyang-si, Gyeonggi-do, Korea

T. 82-31-428-1000

ECF
ELEMENTAL CHLORINE FREE

This eco-friendly paper is made from pulp bleached by chlorinated compounds like ClO_2 rather than elemental chlorine, so less dioxin is generated to reduce environmental impact.

30%
RECYCLED MATERIAL

This eco-friendly paper contains 30% regenerated pulp made from recycled paper.

Revised date : March, 1, 2026

HS HYOSUNG ADVANCED MATERIALS

Carpets

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HS HYOSUNG ADVANCED MATERIALS

Carpets



Creating Value Together

HS HYOSUNG's Leading Star, Value Tree

HS HYOSUNG's symbol, 'MASTERIA,' is an inspired fusion of 'MATERIA,' Latin for origin and tree (or forest), and 'ASTER,' the goddess of the stars. It further resonates with the multifaceted meanings of 'MASTER' and 'MATERIAL.' This emblem draws its inspiration from 'Hyosung' - the 'Leading Star' that guides us at the break of dawn - and the 'Value Tree,' which symbolizes a diverse array of values nurtured through tenacious vitality and enduring growth. MASTERIA reflects our vision to steer the world and our lives towards a more valuable and meaningful direction.

Discover New Safety, New Comfort

Global Market No.1

PET Tire cord
Seatbelt Yarns
Airbag Fabrics

The future of industry growing based on advanced materials

Based on its excellent technology that enabled Korea's first production of Nylon tire cords (a key material for tire reinforcements) in 1968, HS HYOSUNG ADVANCED MATERIALS has produced high-intensity industrial yarns, textiles and steel wire materials for various industries such as automobile, civil engineering and agriculture.

HS HYOSUNG ADVANCED MATERIALS develops the best materials for essential industries encompassing automobile, defense, construction and logistics and even covering sports and leisure to enhance the quality of our lives. Our materials help create a safe and comfortable life with the high performance and quality.
On top of that, we aim to protect the environment and pursue a clean future by developing eco-friendly materials and implementing sustainable manufacturing processes.

HS HYOSUNG ADVANCED MATERIALS would like to go one step further by promising a coexistence of stakeholders, local and global communities and a value-driven development for a safe and comfortable life.
This is the way we seek for to create values beyond customer expectations.

Tire reinforcement material used in more than 50% of passenger car tires worldwide



We maintain the No.1 position in terms of global market share with the integrated production and supply systems for tire reinforcements at the largest scale across the world.

The World's First PET Automotive Carpet



Applauded for its best quality in Korea of commercial and automotive carpets, the company has succeeded to mass-produce the world's first polyester automotive carpet.

Super Fiber ALKEX®



The Aramid yarn, developed with the company's own technology and commercialized successfully, is actively utilized for industrial uses including ballistic and automobiles.

Sustainable Technical Yarns with Versatile Uses



Utilizing the advanced technology with which the first airbag fabric in Korea was developed, the company produces and exports sustainable Technical yarns for versatile uses.

High-Performance New Material - TANSOME®



TANSOME® is a material used for automobiles increasingly becoming lighter. Recognized for its excellent strength and stability, it is now widely utilized in the eco-friendly energy industry.

The World's Largest Airbag Fabric Maker - GST



GST is the world's largest airbag producer with the biggest global market share and is also selected by globally renowned automakers such as Autoliv, ZF and Toyota.

Specialized in Carpets

with its own production facilities and quality services from raw materials to finished products

Hyosung Advanced Materials produces unparalleled-quality carpets with its own production facilities for the entire process, from raw materials to finished products. Since starting the business in 1983, it has maintained its leading position in commercial and automotive carpets and has received ISO9001, ISO14001, and TS16949 certifications through an impeccable quality control system. In particular, we have obtained the Eco-Mark and KS certifications in the carpet tile sector, which requires strict quality conditions.

In addition, we have developed square hollow nylon yarn for the first time in Korea and supply differentiated products. In line with the global eco-friendly trend, we have developed automotive carpets using recycled materials and provide them to Hyundai and Kia electric vehicles (Ioniq 5, 6, EV6).

Accordingly, Hyosung Advanced Materials will lead the global market through up-to-date trends, sustainable research, and product development.

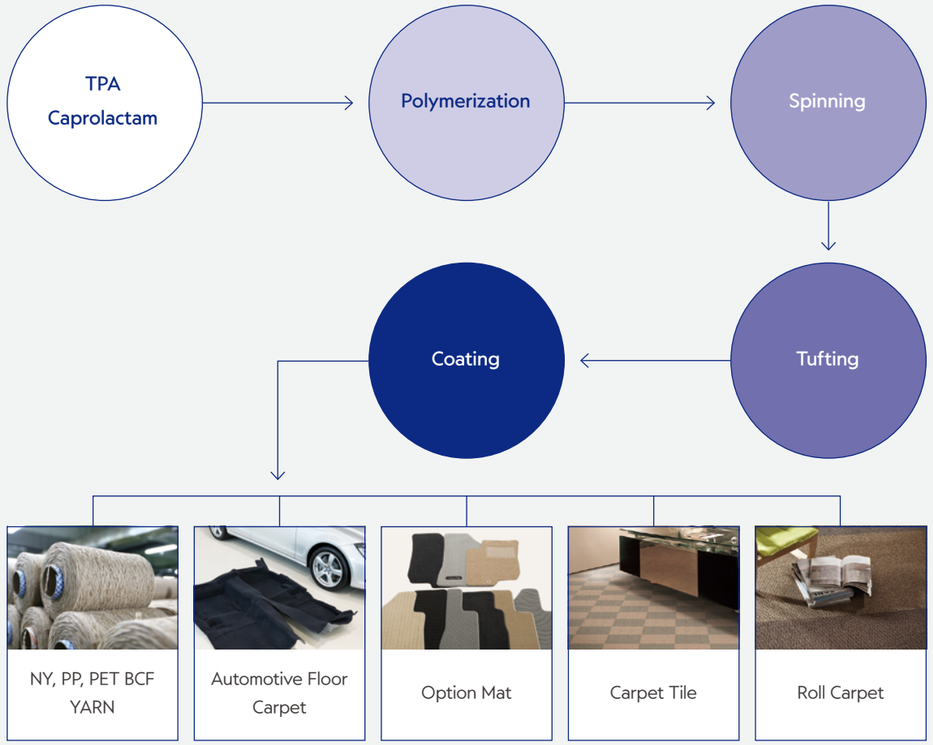
Automotive/Commercial BCF Tufted Carpets No. 1 market share in Korea

Automotive Carpets Recognized by the world's leading automobile makers





Production Process



Key milestones

1996 4th facility expansion (spinning, weaving, dyeing machines)

2001 ISO9001 certification

2004 Additional installation of Nylon BCF spinning machines (4 units)

2010 ISO/TS16949 certification

2017 Expansion of BCF spinning machines at the Ulsan factory

Product Overview

Automotive Carpets

Floor Carpet / Carmat (optional)

Commercial Carpets

Swan Roll Carpet | Swan Tile Carpet
Swan Mat

Carpet Yarn

Nylon BCF Yarn | PET BCF Yarn
PP BCF Yarn

Automotive Carpets

Hyosung Advanced Materials mass-produces floor carpets for the entire floor of a car with 'Carmat' on top of it.
This product uses BCF yarn with excellent bulkiness (the property of swelling up) and resilience (the degree to which it springs back up after being pressed), so it has superior durability, sound absorption, and sound insulation compared to carpets made of other materials and achieve the same effect with less weight, contributing significantly to vehicle weight reduction. As its excellence is recognized worldwide, the company supplies the product to major overseas automakers, including those in Korea (Hyundai, Kia, Renault Samsung), North America (Tesla, GM), and China (BYD, Leapmotors).

Advantages and Special Features

	Non-Woven	PET BCF	Nylon BCF
Appearance	Normal	Good	Good
Touch Feeling (Haptic)	Bad	Good	Very Good
Abrasion Resistance	Normal	Good	Very Good
NVH	Normal	Good	Good
Cleanability	Difficult to Clean	Easy to Clean	Easy to Clean
Weight	High	Low	Low
Cost Structure	Low	Middle	High



Floor Carpets

This carpet, assembled to fit on the car floor frame as one of the components, provides a comfortable ride and cushioning function while driving and reduces and absorbs noise and vibration.



Optional Mats

Optional mats are installed on top of the floor carpet. Floor carpets are usually used without replacement until the car is scrapped. Hence, carmats are attached to prevent contamination of dirt, dust, and moisture. Furthermore, they reduce fatigue while driving with their cushioning function and provide interior effects. Carmats mostly use Nylon BCF yarn.
Hyosung Advanced Materials manufactures and supplies the best carmats through its accumulated technology and unique, excellent materials through long-term collaboration with automobile manufacturers.



Commercial Carpets-
Swan Carpet

Hyosung Advanced Materials has launched the commercial carpet brand ‘Swan Carpet,’ introducing Swan Roll Carpets, Swan Tile Carpets, and Swan Mats. Swan Carpet is the only Korean brand with mass production facilities, from raw materials to finished products. It meets customer satisfaction by supplying various colors and designs that customers desire. In addition, its quality excellence is officially recognized through eco-friendly and KS certifications.

Advantages and Special Features

- Excellent contamination resistance & durability
- Good cushioning and resilience
- Excellent flame retardancy
- Independent yarn technology
- Custom made available

Roll Carpets

This high-quality interior finishing material creates an elegant and luxurious atmosphere and is used for interiors of large spaces such as hotels and banquet halls. Hyosung Advanced Materials' Swan Roll Carpet is made to be thick and dense, providing a luxurious sensation and a comfortable walking experience.



Tile Carpets

Tile Carpet is available in various standardized sizes as a single-sheet product that is easy to construct and maintain, mainly for office spaces. Any damaged section can be readily replaced for easy maintenance. Hyosung Advanced Materials Swan Tile Carpet is particularly easy to maintain as it can be vacuumed and steam cleaned.



Mats

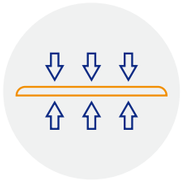
This carpet is installed in the lobby or entrance of a building to protect the floor and prevent indoor contamination. It also has anti-slip and walking safety features.



Yarn for Carpets

The core strength of Hyosung Advanced Materials' carpets, which have an unrivaled advantage in the market, originates from the yarn. Carpets must meet various conditions such as cushioning, contamination resistance, and durability, and they must also have excellent elasticity because they are stamped onto the steel frame of an automobile. To produce high-quality products that meet such demanding conditions, Hyosung Advanced Materials produces its carpet yarn, such as Nylon BCF yarn, PET BCF yarn, and PP BCF yarn. Because we have our production facilities, from yarn development to finished products, we can control seamless quality and respond quickly to customer demands.

Advantages and Special Features



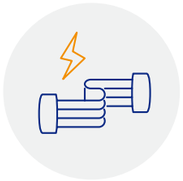
Good cushioning and sound absorption



Excellent contamination resistance



Robust durability



Outstanding elasticity



Complete in-house production facilities

Nylon BCF Yarn

BCF fabric is nylon-processed yarn developed for carpets. This unique filament fiber is processed into each yarn, giving it a rich volume and resilience. It also does not generate fluff, is durable, and the yarn itself has sound absorption and sound insulation functions.

PET BCF Yarn

PET BCF yarn is durable, moisture-resistant, and does not deform easily. It also has low water absorption for quick drying, good elasticity for easy maintenance, and high heat resistance to withstand hot water or heating appliances. Overall, it is of similar quality to Nylon BCF but is more economical.

Polypropylene BCF Yarn

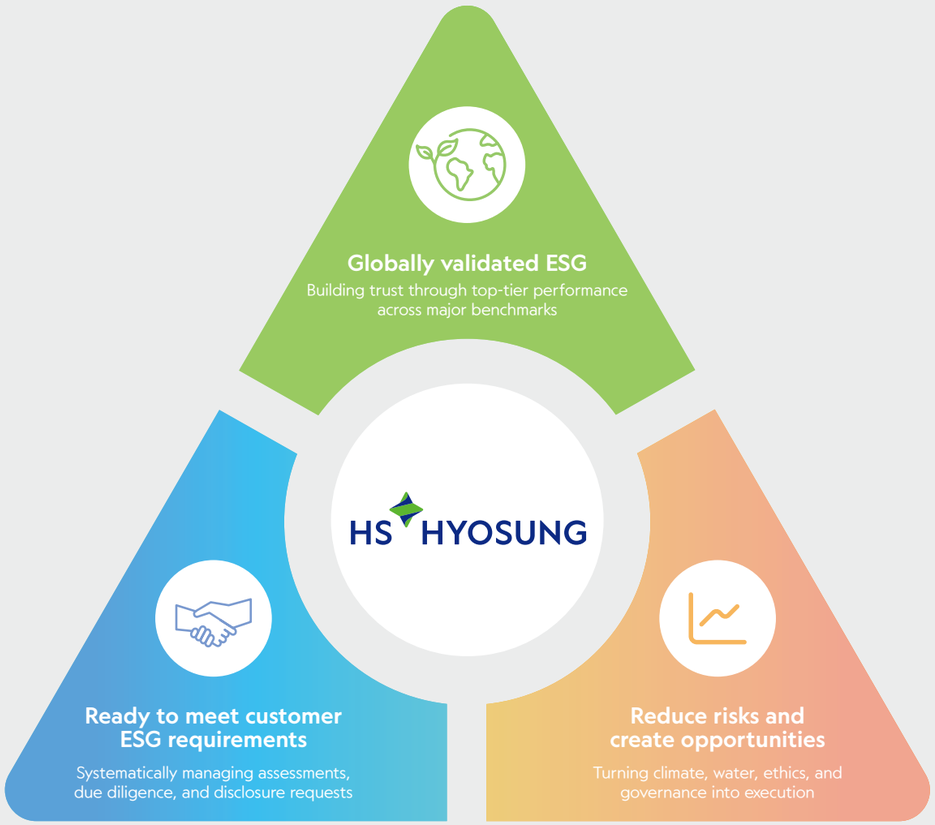
Polypropylene BCF yarn, a widely used carpet material, is known for its durability, lightweight, and strength. It's also highly moisture-resistant, dries quickly, and resists deformation. This makes it an ideal choice for indoor carpets, available in a variety of colors and designs.

Carpets



Sustainability

We have been recognized by global rating agencies for our systematic management and transparent disclosure across the areas of Environmental, Social, and Governance. Going forward, we will continue to strengthen responsible ESG management through transparent communication and accountable practices.



EcoVadis

PLATINUM Top 1% ecovadis Sustainability Rating OCT 2025

Platinum 2024-2025
Two years in a row
Top 1% among ~150,000 companies

- Globally validated ESG credibility: EcoVadis global top-tier performance

Recognition Link

CDP
(Carbon Disclosure Project)
2025

CDP Discloser 2025

Climate Change **Leadership A-**
Water Security **Leadership A-**

- Demonstrating leadership in climate action and water stewardship through strategic execution.

MSCI
(Morgan Stanley Country Index)

MSCI

BBB 2024 - 2025

- Investor-oriented assessment of ESG risk and governance performance

Korea ESG Standards Institute (KCGS)

한국ESG기준원 Korea Institute of Corporate Governance and Sustainability

Overall A 2021-2025
5th years in a row

- Sustainability management performance assessed under Korea's leading ESG evaluation framework.

S&P Global CSA
(Corporate Sustainability Assessment)

S&P Global
Hs Hyosung Advanced Materials
Chemicals
Sustainability Yearbook Member

Sustainability Yearbook Member
2024~2025

- Sustainability management competitiveness validated by global benchmarks

Sustainalytics
2024 - 2025

SUSTAINALYTICS a Morningstar company

Risk Rating **Low**
Exposure **Low**
Management **Strong**

- Credibility assessment from an ESG risk perspective, informing the investment decisions of financial institutions and investors

Notes: Ratings and years are based on each evaluating organization's latest publicly disclosed criteria.

Detailed information regarding our ESG initiatives is available at

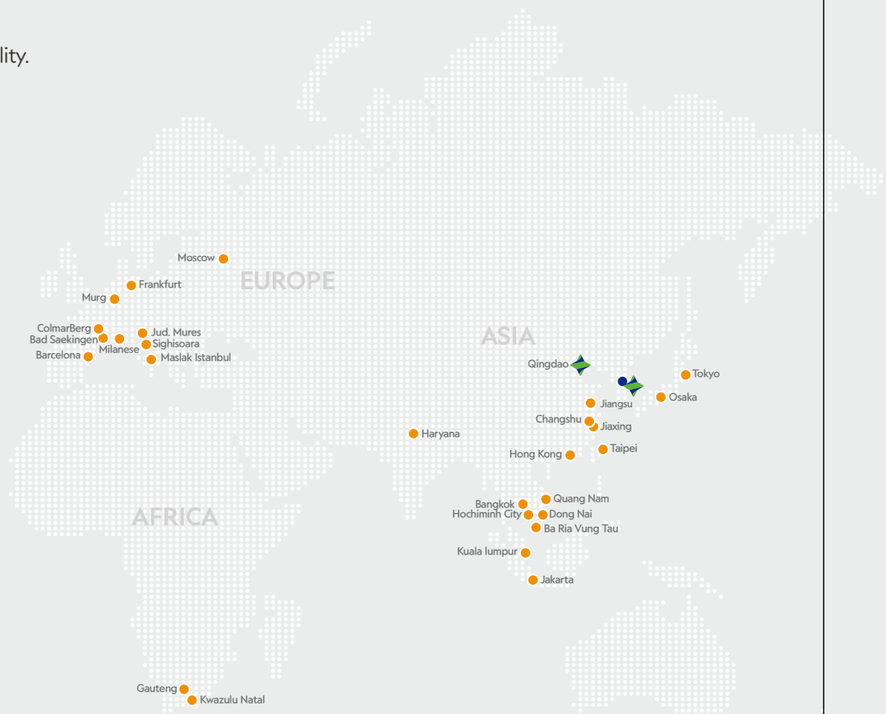
Global Networks

HS HYOSUNG builds a systematic global network,
aiming for value management through
unrivaled technology and excellent quality.

Global Locations

37 locations in 19 countries

Production Affiliate **17** | Trade Affiliate **13**
Logistics Affiliate **1** | Branch and Office **6**



Korean Locations

HQ 1 Plant 4 Institute 1

SEOUL
· Mapo

ANYANG
· Anyang plant
Roll carpet, Automotive carpet, Nylon BCF,
PET (Polyester) BCF

DAEJEON
· Daejeon plant
Tile carpet, PP BCF

ULSAN
· Steel Wire Technical Center
· Ulsan plant
Aramid, PET (Polyester) BCF

JEONJU
· Jeonju plant
Carbon fiber



CARPETS NETWORKS

Carpets production site



11 locations in 4 countries

1 HQ
· Korea

3 Plants
· Korea
· China
· USA

3 Sales offices
· Korea · China
· USA

4 Warehouses
· Korea
· China
· USA
· EU

Asia

17 locations in 10 countries

KOREA

CHINA
· Jiaxing · Qingdao · Jiangsu · Changshu

HONG KONG

VIETNAM
· Dong Nai · Quang Nam
· Ba Ria Vung Tau · Hochiminh City

JAPAN
· Tokyo · Osaka

INDIA
· Haryana

INDONESIA
· Jakarta

MALAYSIA
· Kuala lumpur

TAIWAN
· Taipei

THAILAND
· Bangkok

Europe & Africa

12 locations in 8 countries

GERMANY
· Murg · Bad Saekingen

LUXEMBOURG
· Colmar-Berg

ROMANIA
· Jud. Mures · Sighisoara

RUSSIA
· Moscow

ITALY
· Milanese

SPAIN
· Barcelona

TÜRKIYE
· Maslak Istanbul

SOUTH AFRICA
· Kwazulu Natal
· Gauteng

Americas

8 locations in 2 countries

USA
· Charlotte
· San Diego
· Decatur
· Detroit

MEXICO
· Torreon Coahuila
· Ensenada B.C