

2020 GROUP PROFILE FREUDENBERG GROUP



THE FREUDENBERG GROUP

Freudenberg is a global technology group that strengthens its customers and society long-term through forward-looking innovations.

Together with its partners, customers and research institutions, the ten Freudenberg Business Groups develop leading-edge technologies, and excellent products and services for more than 40 markets and thousands of applications: seals, vibration control components, technical textiles, filters, cleaning technologies and products, specialty chemicals and medical products.

Across the globe, the Freudenberg Group's products and services make a valuable contribution to customers' success – often invisible, but always essential and in keeping with the company's positioning "Freudenberg is a values-based technology group that best serves its customers and society".

Without Freudenberg, indoor air would not be as clean, cars would not drive, suits would not sit properly and wounds would not heal as quickly. Freudenberg's goal is to offer customers excellent high technology and innovative products, and services in the passenger vehicle and commercial vehicle industries, mechanical and plant engineering, textile and apparel, construction, mining and heavy industry, energy, chemical, and the oil and gas sectors. Customers also include companies in the medical technology, civil aviation and rail vehicle sectors.

Innovation, strong customer focus, close cooperation, diversity, and team spirit are the cornerstones of the Group. Commitment to excellence, reliability and proactive, responsible action have been part of the company's core values as practiced for more than 170 years.

ORGANIZATION

Freudenberg is an enterprise of entrepreneurs. The operations are run by independent companies whose management acts independently. The individual companies are part of Business Groups.

Freudenberg has two parent companies: Freudenberg & Co. Kommanditgesellschaft (Freudenberg & Co. KG), Weinheim, Germany, is the strategic parent company; Freudenberg SE, Weinheim, Germany, is the parent company responsible for managing business operations.

The Freudenberg & Co. KG corporate bodies are the Management Board, the

Board of Partners and the General Meeting. The corporate bodies at Freudenberg SE are the Board of Management, the Supervisory Board and the Shareholder's Meeting. The Management Board of Freudenberg & Co. KG and the Board of Management of Freudenberg SE have the same members, which is also true of the Board of Partners of Freudenberg & Co. KG and the Supervisory Board of Freudenberg SE.

Freudenberg is a family-owned company and currently owned by some 350 heirs to the founding father Carl Johann Freudenberg

PARENT COMPANY (STRATEGIC MANAGEMENT)
FREUDENBERG & CO. KOMMANDITGESELLSCHAFT

PARENT COMPANY (BUSINESS OPERATIONS)
FREUDENBERG SE

Business Area
Seals and
Vibration Control
Technology

Business Groups

Freudenberg Sealing Technologies

Freudenberg Oil & Gas Technologies

EagleBurgmann

Vibracoustic

Business Area
Technical textiles and
Filtration

Business Groups

Freudenberg Performance Materials

Freudenberg Filtration Technologies

Japan Vilene Company

Business Area
Cleaning Technologies and
Products

Business Group

Freudenberg Home and Cleaning Solutions

Business Area
Specialties

Business Groups

Freudenberg Chemical Specialties

Freudenberg Medical

Divisions

Freudenberg Business Services

Freudenberg Service

TECHNOLOGY AND DEVELOPMENT PARTNER

MOBILITY AND TRANSPORT

Whether by road, water, rail or air: Freudenberg technology helps motors and other parts work reliably. We use sealing, vibration control or filtration technology, technical textiles, durable bearings, specialty chemicals or surface treatment and galvanization technology to make mobility and transport around the world safer, more efficient and more comfortable.

INDUSTRY AND PRODUCTION

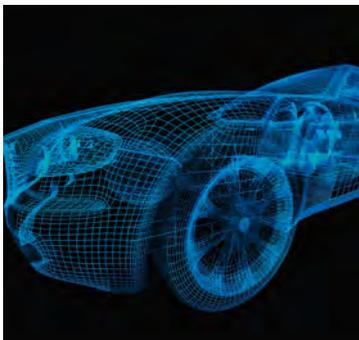
The competitiveness of industrial companies depends on the smoothest and most efficient production possible. Reliable and tailored Freudenberg compo-

nents help ensure long-term productivity and quality - whether for seals, filters, release agents, specialty lubricants or technical textiles. Our products are found in almost all industries, production processes and systems.

ENERGY AND RESOURCES

Fossil fuel exploration and transport is extremely challenging. Responsible handling of renewable energy demands innovative applications. Freudenberg contributes to improved functional reliability, operating lives and the best possible environmental protection throughout the energy industry.

Our product range includes gas-lubricated mechanical seals in pipelines,



IN MANY INDUSTRIES

complete filtration systems for power plants and miniature silicone plugs for the electronics industry.

other food types. Efficient drinking water treatment often uses Freudenberg technology.

HEALTHCARE AND FOOD PROCESSING INDUSTRY

Strict hygiene standards must be met for healthcare products and food processing. The high material competency and process reliability make Freudenberg a sought-after partner for customers in the medical technology, pharmaceutical and food processing industries.

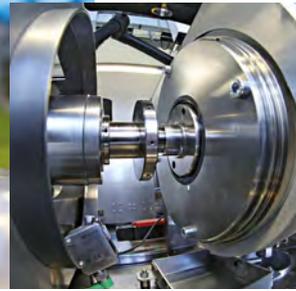
Our medical innovations simplify surgical intervention and improve wound treatment. In the food industry, we help process confectionery along with

HOUSEHOLD AND TEXTILES

Even everyday products are based on sophisticated technology. Freudenberg's innovation strength can be found in microfiber cloths or electric window vacuums. Our technical textiles allow for comfortable sofas, well-fitted textiles and mite-free bedding.

They are used to manufacture shoes and leather goods, or protective clothing. The filter applications also help keep interior air clean.





Latest generation of test benches

FREUDENBERG SEALING TECHNOLOGIES

PRODUCTS / SERVICES

Simmerrings, membranes, high-precision molded parts, bellows, dust caps, hydraulic accumulators, O rings, hydraulic and pneumatic seals; frame, silicone and shock absorber gaskets, valve stem seals and various special seals, sealing packages for motors, transmissions, brakes and steering systems; rubber and PTFE components for vehicle suspensions, pouch-cell frame seals, gaskets for batteries, profile to gasket (P2G), 2K housings, fuel cell seals, Plug&Seal

Freudenberg Sealing Technologies is a longstanding technology expert and global market leader for demanding and novel applications in sealing technology and electro-mobility.

The company is also becoming a turnkey supplier of fuel cell systems for commercial vehicle industry. With its unique materials and technology expertise, the company is a proven supplier for demanding products and applications, as well as a development and service partner to customers in the automotive industries and in general industries. The Dichtomatik subsidiary is the sales organization for technical seals. Corteco is a specialist for the independent automotive spare parts market.

With its XALT Energy brand, the company produces large-scale lithium-ion battery cells, modules and systems for use in heavy utility vehicles, such as city and transit buses, ships and other industrial applications.

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SITES

Australia, Austria, Brazil, Canada, China, Czech Republic, Germany, Estonia, France, Hungary, India, Indonesia, Italy, Mexico, Malaysia, Netherlands, Poland, Russia, Singapore, Spain, Sweden, Switzerland, Turkey, UK, USA

EMPLOYEES

Approx. 14,070



Sealing element



FREUDENBERG OIL & GAS TECHNOLOGIES

Freudenberg Oil & Gas Technologies provides innovative sealing solutions and products to the global oil and gas industry. The Business Group focuses on upstream applications, i.e. those used in the extraction and production of oil and gas. The “Pressure Control” business division offers products for drilling activities and the “Engineered Seals and Connectors” division, products for oil and gas extraction. The Business Group supplies component seals and connectors for applications on land, offshore platforms and subsea.

Freudenberg Oil & Gas Technologies supplies a wide range of customers – including oil and gas producers, original equipment manufacturers and engineering and service companies that provide technology, equipment and services for onshore and offshore oil and gas production around the world. The Business Group has a material and product testing laboratory to develop and test new materials and solutions in Houston, Texas, USA.

PRODUCTS / SERVICES

Component elastomer specialty seals, seals and sealing kits for RAM/annular blowout preventers, thermoplastic seals, seal stacks / components and metal, spiral and flat seals; connectors with metal-on-metal sealing solutions for offshore / underwater applications, SPO Compact Flange, Techlok Clam Connector, Optima Subsea Connector, BlueSky-RotaBall Swivel Connector, FlexBall plug connectors, AlignLock misalignment flange, BlueLock clamp plug connector

SITES

Canada, Norway, UK, USA, UAE

EMPLOYEES

Approx. 490

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Mechanical seal

EAGLEBURGMANN

PRODUCTS / SERVICES

Liquid and gas-lubricated mechanical seals and seal supply systems, magnetic couplings, carbon floating ring seals, flat gaskets and stuffing box packings, compensators, TotalSeal-Care services, Academy

EagleBurgmann is a leading international manufacturer of industrial sealing technology. The Business Group develops, manufactures and markets a broad range of high-quality customized and series products for pumps, compressors, agitators and special machines.

The sealing solutions are common when safety and reliability are most important, including the oil and gas industry, refineries, (petro-) chemical production, pharmaceuticals, food processing, energy or water treatment applications. A dense sales and service network means close customer proximity.

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 www.eagleburgmann.com

SITES	EMPLOYEES
<i>In the regions of the Americas, Asia-Pacific, China, EMEA, India, Japan</i>	<i>Approx. 5,810</i>



Switchable triple-chamber airsprings

VIBRACOUSTIC

Vibracoustic is a global leading NVH (noise, vibration, harshness) expert for the automotive industry and provides tailored solutions that offer more comfort, while contributing to efficiency, safety and the operating life of vehicles. Thanks to its knowhow along the entire product life cycle and in all vehicle systems, Vibracoustic's broad product portfolio provides solutions to current and future NVH challenges in all vehicle segments.

With a global network of production and engineering sites, the Business Group supplies almost all light and commercial vehicle manufacturers as well as their direct suppliers and can significantly improve driving comfort.

PRODUCTS / SERVICES

Engine, gearbox and chassis mounts, air springs, torsional vibration dampers, isolators and dampers, components made from MCU (Micro-Cellular Urethane)

SITES

Brazil, China, Czech Republic, France, Germany, Hungary, India, Japan, Mexico, Poland, Romania, Russia, Spain, South Africa, South Korea, Sweden, Thailand, Turkey, USA

EMPLOYEES

Approx. 10,190

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Gas diffusion layer for fuel cells

FREUDENBERG PERFORMANCE MATERIALS

PRODUCTS / SERVICES

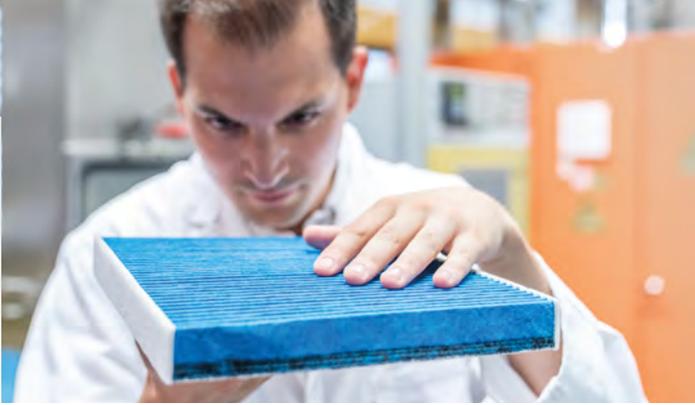
Interlinings for clothing, functional textiles and hobby tailoring; substrates for automotive carpets, headliners, sound-absorbing materials, components for batteries and fuel cells; substrates for bitumen membranes, tufted carpet tiles; functional components for wound, stoma and transdermal applications; components for footwear and leather goods, nonwovens for electrical applications, allergenic bedding, packaging, anti-condensation nonwovens for metal roofs; hard particle coated nonwovens to increase the coefficient of friction

Freudenberg Performance Materials is a leading global supplier of innovative technical textiles for a broad range of markets and applications such as apparel, automotive, building materials, energy, filter media, healthcare, hygiene, building interiors, shoe and leather goods as well as specialties.

The Business Group is a pioneer in nonwovens and has 26 production sites in 14 countries around the world.

Freudenberg Performance
Materials
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SITES	EMPLOYEES
Brazil, China, France, Germany, India, Italy, Russia, Slovenia, Spain, South Africa, South Korea, Taiwan, UK, USA	Approx. 3,990



Filters for ventilation systems

FREUDENBERG FILTRATION TECHNOLOGIES

Freudenberg Filtration Technologies is a global development, production and application specialist for air and liquid filtration. The Business Group's solutions help make its customers' industrial processes more efficient, conserve resources, protect people and the environment, helping improve quality of life.

As a globally renowned partner for highly effective, reliable, energy efficient filtration designs, Freudenberg Filtration Technologies is dedicated to competency in the automotive & transport, energy & resources, hygiene & health, production & building technology industries and to technologically sophisticated special applications.

System solutions such as the development, installation and the operation of complete filtration solutions as well as wide-ranging services for air and water quality management complement the market-oriented, innovative product portfolio.

PRODUCTS / SERVICES

Elements, system solutions and services for the filtration of intake and exhaust air in industrial processes and end-user applications; water and membrane filtration systems, automotive cabin air filters and engine intake air filters, filters for room air cleaners as well as household and office devices; digital solutions; filter measurement technology; training and consulting

SITES	EMPLOYEES
Australia, Brazil, China, Germany, India, Italy, Japan, Mexico, Slovakia, South Africa, South Korea, Thailand, USA	Approx. 2,780

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Footmats for cars

JAPAN VILENE COMPANY

PRODUCTS / SERVICES

Vehicle headliners, floor mats and interior filters for the automotive industry; filter media and units; battery separators for hybrid vehicles and the end consumer market, as well as other industrial nonwovens; elastic base materials for transdermal products and particulate respirators, angiography sets and other medical products; interlinings and facial masks; fibers made from recycled plastic bottles

Since its founding in 1960, the Japan Vilene Company has been the leading nonwoven manufacturer on the Japanese market. The company’s motto, “Engineering Fabric Innovation” stands for the long-term material competency and extensive knowhow in production processes and technologies as well as the processing of nonwovens. The Japan Vilene Company provides a broad product portfolio for various applications in the automotive, medical, electrical and industrial segments. The company has also expanded its business to include automotive floor mats around the world. Japan Vilene Company operates 16 production sites around the world, including two main sites in Japan.

Working in close cooperation with Freudenberg Performance Materials and Freudenberg Filtration Technologies, Japan Vilene Company operates a network of production and sales joint ventures throughout Asia.

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 E-Mail:
 p-relations@vilene.co.jp
 www.vilene.co.jp

SITES	EMPLOYEES
China, Germany, Japan, Mexico, South Korea, Taiwan, Thailand, USA	Approx. 2,680



Vileda Turbo



FREUDENBERG HOME AND CLEANING SOLUTIONS

Freudenberg Home and Cleaning Solutions is a leading international company for branded cleaning products and systems as well as laundry care products. The products are sold under the brand names Vileda, Vileda Professional, O-Cedar, Oates, Gimi, Wettex, Gala and Marigold.

Detailed market expertise, innovation, effective new products and a strong customer focus all help the company succeed. International market and customer research, innovation centers and production facilities in all regions of the world, as well as a dedicated sales network in more than 35 countries also help the company thrive.

PRODUCTS / SERVICES

Floor cleaning systems, household cloths, cleaning articles, household gloves, laundry care products such as ironing boards and clothes dryers, cleaning systems for professional applications

SITES

Australia, Belgium, Canada, Chile, China, Czech Republic, Denmark, Finland, France, Germany, Greece, Hong Kong, Hungary, India, Italy, Jordan, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Russia, Serbia, Slovenia, South Korea, Spain, Sweden, Taiwan, Thailand, Turkey, UK, USA

EMPLOYEES

Approx. 3,220

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Liquorice manufacture

FREUDENBERG CHEMICAL SPECIALITIES

PRODUCTS / SERVICES

Oils, greases, waxes, pastes, bonded coatings, dry and solid lubricants, anti-corrosion products, chemo-technical maintenance products, hydraulic oils, cleaning agents, release agents for die casting; composites, rubber and polymer processing, products for surface pretreatment, industrial parts cleaning and electroplating; glazes, release and sealing agents for the confectionery industry, color pigments and aromas for confectionery processing

The Freudenberg Chemical Specialities Business Group includes the independently operating companies of Klüber Lubrication, Chem-Trend, SurTec, OKS and Capol. Klüber Lubrication is one of the world's leading manufacturers of specialty lubricants. Chem-Trend is the world market leader for release agents used in the production of molded parts from composite materials, rubber, plastics, metal and polyurethane. SurTec is a leading supplier of chemical specialties for surface treatment and electroplating. OKS specializes in performance lubricants and products for maintenance and repair. Capol is a leading worldwide provider of confectionery coatings.

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SITES	EMPLOYEES
<p><i>Argentina, Australia, Austria, Belgium, Brazil, Chile, China, Croatia, Czech Republic, Denmark, Finland, France, Germany, India, Indonesia, Italy, Japan, Malaysia, Mexico, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Thailand, Turkey, UAE, UK, USA, Vietnam</i></p>	<p><i>Approx. 3,670</i></p>



Gastric band



FREUDENBERG MEDICAL

Freudenberg Medical is the global partner for the design, development and production of innovative medical products. The company's product range includes catheter solutions for minimally invasive surgery and components manufactured from complex medical materials.

The company is a leader in both precision formed silicone and thermoplastic parts and tubes as well as metal hypotubes.

PRODUCTS / SERVICES

Thermoplastic injection molding, silicone injection molding; silicone and thermoplastic extrusion, complex catheters for diagnosis and therapy; manufacturing, packaging, sterilization and technical services; coatings for medical devices including drug coatings for combination products

SITES	EMPLOYEES
China, Costa Rica, Germany, Ireland, USA	Approx. 1,560

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Standardized services

FREUDENBERG BUSINESS SERVICES

SERVICES

Purchase of non-production materials and services; accounting, HR management, payroll; occupational retirement provision

As an internal service provider, Freudenberg Business Services combines administrative activities across Business Groups and regions. Freudenberg can thus generate economies of scale and make standard processes carried out regularly and on a large scale more efficient.

Doing so, relieves pressure on the Business Groups, allowing them to concentrate on their core business, their customers and markets.

Freudenberg Business Services KG
 Höhnerweg 2–4
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SITES	EMPLOYEES
China, Germany, USA	Approx. 110



Continuing education and training



FREUDENBERG SERVICE

Freudenberg Service operates the industrial parks in Weinheim und Neuenburg. The business includes the Freudenberg Service KG and Freudenberg Verpflegungsdienste KG companies, both located in Weinheim.

Freudenberg Service offers customers a comprehensive range of services – occupational health and preventive health care, energy supply, information and communication technology, catering and hazard prevention such as plant security and fire services.

A modern cogeneration plant (CCHP) at the Weinheim site provides environmentally friendly energy generation and supply.

The training center run by Freudenberg Service is one of the leading institutions of its kind in the Rhine-Neckar region.

PRODUCTS / SERVICES

Energy services, security, fire protection, occupational health and safety, information and communication technology, continuing education and training, food services

SITE	EMPLOYEES
<i>Germany</i>	<i>Approx. 240</i>

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FREUDENBERG & CO. KOMMANDITGESELLSCHAFT

SERVICES

*Corporate functions:
Corporate Legal; Corporate
Tax and Customs;
Corporate Information
Technology; Corporate
Treasury and Finance;
Corporate Partners'
Relations; Freudenberg
Technology Innovation*;
Corporate Controlling and
Accounting; Corporate
Human Resources;
Corporate Strategic
Planning and Business
Development; Corporate
Health, Safety, Security,
Environment; Corporate
Communications;
Corporate Insurance*;
Corporate Audit;
Freudenberg Real Estate**

Freudenberg & Co. Kommanditgesellschaft is the strategic management company for the Freudenberg Group. It covers the Management Board, the Board of Partners, the General Meeting and the Corporate Functions.

The Management Board decides on fundamental strategic issues facing the Group. The Corporate Functions guide, coordinate and monitor Group activities. They define Group-wide guidelines and support the Business Groups as consultants and service providers.

**The Corporate Functions of Freudenberg Technology Innovation, Corporate Insurance and Freudenberg Real Estate are independent companies external to the Freudenberg & Co. Kommanditgesellschaft.*

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SITE GERMANY	EMPLOYEES
<i>Freudenberg & Co. Kommanditgesellschaft</i>	<i>Approx. 220</i>
<i>* Corporate functions in independent companies</i>	<i>Approx. 320</i>

FREUDENBERG SE

Freudenberg SE is the operational management company for the Freudenberg Group. It carries out the company's strategic decisions.

The corporate bodies at Freudenberg SE are the Board of Management, the Supervisory Board and the Shareholder's Meeting.

The Management Board of Freudenberg & Co. Komanditgesellschaft and the Board of Management of Freudenberg SE have the same members, which is also true of the Board of Partners of Freudenberg & Co. KG and the Supervisory Board of Freudenberg SE.

The Board of Management shares joint responsibility for the Group.



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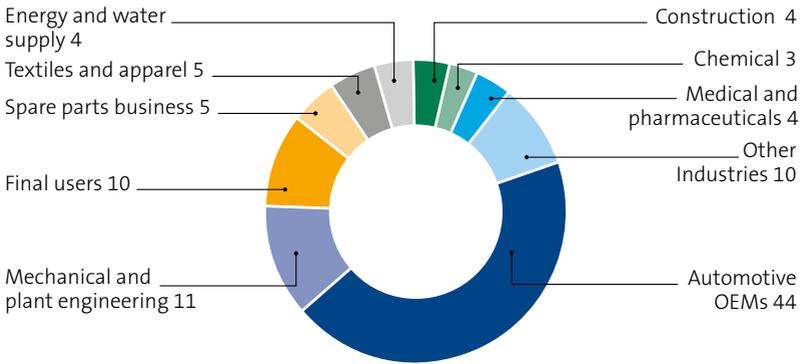
KEY FIGURES

FREUDENBERG GROUP

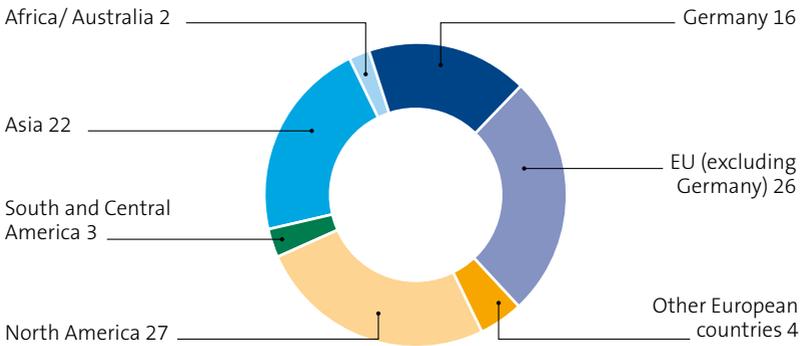
[in million euros]	2018	2019
Sales	9,455.4	9,467.8
Profit or loss before income tax	835.3	828.5
Consolidated profit or loss	602.4	610.6
Employees (12/31)	49,137	48,851
Business Areas (Sales)		
Seals and Vibration Control Technology*	5,506.4	5,325.8
Technical Textiles and Filtration*	1,899.2	1,969.9
Cleaning Technologies and Products*	931.4	975.5
Specialities*	1,374.0	1,435.2
Employees (12/31)		
Seals and Vibration Control Technology	32,451	30,569
Technical Textiles and Filtration	8,521	9,447
Cleaning Technologies and Products	3,273	3,218
Specialties	4,892	5,617

* Including intra-company sales

SALES BY SECTOR [in %]



SALES BY REGION [in %]



Editorial information

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Employee figures stated are as at the reporting date
of December 31, 2019.

To improve legibility we have not
included registered trademarks in this Group Profile.