



FIRST CHOICE IN
FLUOROPLASTIC
MANUFACTURING

FROM BRANTSHAMMAR TO THE WORLD

In 1944 Carl "Charlie" Jakobsson founded Hammarby Bakelit Industri AB, from which Habia Teknofluor was established in 1954. The major part of our production is still located in Brantshammar, north of Stockholm, Sweden, where it all began.

Habia has always been a pioneer PTFE manufacturing company and we master the whole production process, from design and development to production and logistics. We are among the leading companies in the world regarding production of PTFE tubing and produce fluoroplastic products to customers all over the world. Our products can be found in applications in industries like gas, automotive, medical and food. We are proud to tell that many of our customers are the spear heads in the business.

Habia Teknofluor AB is part of the United Flexible Group.





KEY MARKETS

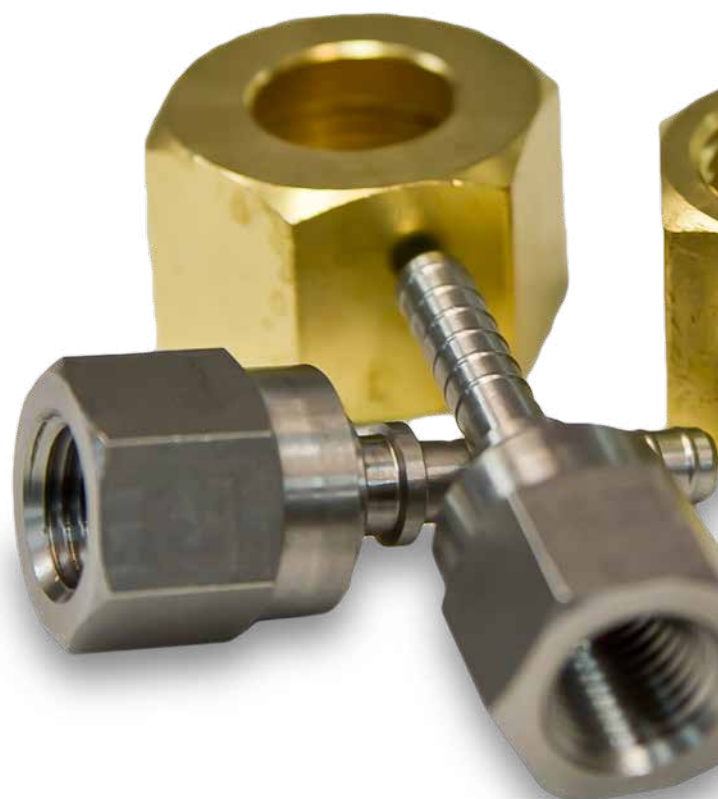
- Gas Industry
- Food and drugs
- Power generation and transmission
- Aerospace and defense
- Automotive
- Marine
- Hydraulics and pneumatics



OUR MISSION, VISION AND AMBITION

All employees at Habia Teknofluor AB work actively with continuous improvements in order to satisfy our customers need and expectations.

- Habia Teknofluor AB shall be the leader in technical excellence and expertise in the field of flouroplastic tubing, high pressure hoses and machined parts made of PTFE
- Habia Teknofluor AB shall be partner and solution provider for our customers world wide
- Habia Teknofluor AB shall fulfill our customers and authorities environmental demands inside and outside Sweden
- All employees of Habia Teknofluor AB shall work actively with continuous improvement to meet the market demands and expectations.



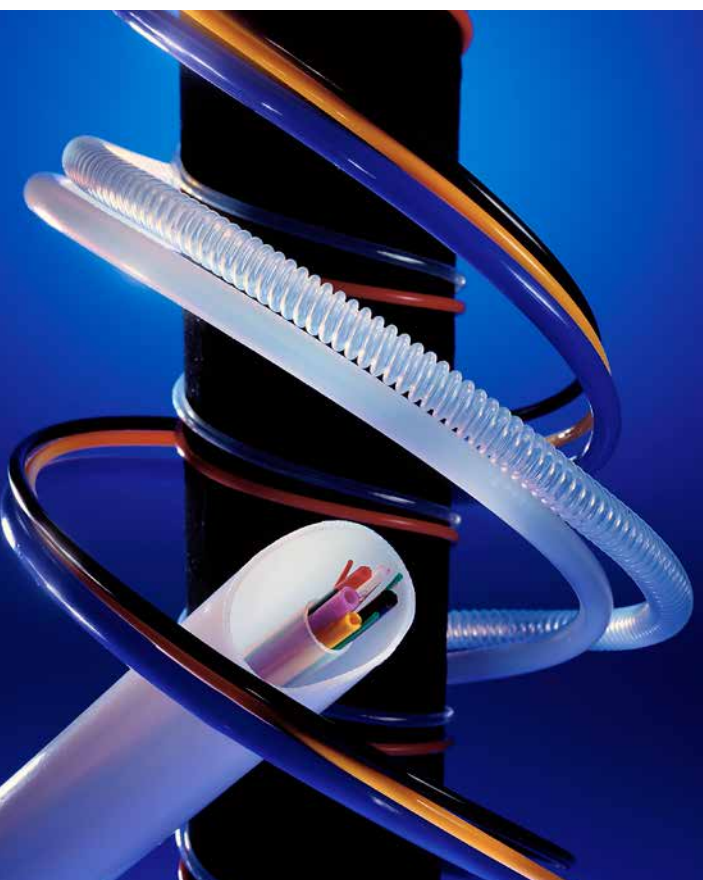


QUALITY POLICY

Habia's concept of quality does not only refer to our products, it is the guiding principle in everything we do, from production processes to customer service. Quality is our main focus, and the outcome of quality work can be seen in the entire development chain: in design, engineering, materials, manufacturing, sales and service.

Habias quality system is certified according to ISO 9001.





HIGH QUALITY PRODUCTS

With more than 60 years of PTFE manufacturing experience, Habia can offer a wide range of standard tubing and specially designed hoses for customers with high demands. We control the full manufacturing process, which enables us to guarantee the highest quality. There are three main product families: fluoroplastic tubing, high performance hoses and machined parts.

FLUOROPLASTIC TUBING

From raw material Habia produces tubes for industrial applications, which is the basis of our range of PTFE, FEP and PFA tubing, and also a wide range of AWG and shrink tubing. In addition to this we can offer more specific and custom made tubing. To ensure top quality, we regularly test tensile strength, crystallinity, diffusion and length variation.

APPLICATIONS:

- Transport of harsh chemicals
- Painting and printing equipment
- Analytical instruments
- Transport of nutrients
- Electrical insulation
- Welding electrode guide tubing
- Abrasion protection



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STOCK ITEMS FROM OUR STANDARD PTFE TUBING

We produce tubing from ID 0,20 mm up to OD 42,00 mm with a variety of wall thicknesses from 0,15 mm to 5 mm.

ID mm	OD mm	Length	Article	BR at 20C (mm)	BP at 20C (BAR)	Weight (KG/m)	Tolerance ID & OD	Coil ID mm
2,00	4,00	50 m coil	40-00148	9	122	0,020	+/- 0,10 mm	300
2,00	4,00	100 m coil	40-00145	9	122	0,020	+/- 0,10 mm	300
2,00	4,00	500 m spool	40-04983	9	122	0,020	+/- 0,10 mm	N/A
4,00	6,00	50 m coil	40-00250	25	61	0,034	+/- 0,10 mm	300
4,00	6,00	100 m coil	40-00246	25	61	0,034	+/- 0,10 mm	300
4,00	6,00	500 m spool	40-00251	25	61	0,034	+/- 0,10 mm	N/A
4,00	6,00	1000 m spool	40-04728	25	61	0,034	+/- 0,10 mm	N/A
6,00	8,00	50 m coil	40-00316	49	40	0,047	+/- 0,10 mm	300
6,00	8,00	100 m coil	40-00312	49	40	0,047	+/- 0,10 mm	300
6,00	8,00	500 m spool	40-00317	49	40	0,047	+/- 0,10 mm	N/A
8,00	10,00	50 m coil	40-00359	81	30	0,061	+/- 0,10 mm	300
8,00	10,00	100 m coil	40-00356	81	30	0,061	+/- 0,10 mm	300
8,00	10,00	500 m spool	40-00360	81	30	0,061	+/- 0,10 mm	N/A
10,00	12,00	50 m coil	40-00394	121	24	0,074	+/- 0,20 mm	400
10,00	12,00	100 m coil	40-00391	121	24	0,074	+/- 0,20 mm	400
10,00	12,00	500 m spool	40-00395	121	24	0,074	+/- 0,20 mm	N/A

Bending radius: $((ID+W) \cdot (ID+W))/W$, burst pressure: see pressure/temperature curve as well

Other dimensions, tolerances and length available upon request.

Colored tubing in our standard colours are possible as well.

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HIGH PERFORMANCE HOSES

Habia produces a complete range of braided fluoroplastic hoses, developed to resist the toughest environments. The high performance hoses are for example used for gas or chemicals, and the hoses are designed to meet very high pressure, chemical resistance and a wide temperature range. The hoses consist of an inner core of PTFE, PFA or ETFE and the outer braid is made of stainless steel and/or aramid. To ensure the highest quality of the tubing, we have chosen to manufacture it ourselves.

APPLICATIONS:

- Pressure gauge hoses in breathing apparatus
- Chemical transfer hoses
- Hoses for dairy and food applications
- Pneumatic/hydraulic hoses
- Fuel hose assembly
- Air/hydraulic braking systems
- Lubrication and cooling systems
- Cylinder and charging of gas
- Transfer and distribution hoses
- Steam pressure hoses
- Heating and coolant hoses

Product (inner tube of PTFE)	Burst Pressure (Bar)	Bending Radius (mm)
Convuluted Easy Bend	up to 530	from 18
General Purpose	up to 960	from 40
Heavy Duty Single Braid	up to 1200	from 50
ULTRA	up to 1900	from 25

WE ASSEMBLE our high pressure hoses on site with couplings according to all international standards. We always manufacture these after customers drawing. Our Oxygene and Acetylene gas hoses are available with EN ISO 14113 approval.

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MACHINED PARTS IN PTFE

Habia develops and manufactures PTFE parts and components to several industries, to meet our customers' needs. In this production we can fully use our genuine and long experience of different materials and manufacturing techniques. Our production embraces specific custom designed details, made from raw material to finished product, with full control of the manufacturing process. All products in this area have been designed and developed in close consultation with our customers.

PRODUCTS:

- Nozzles and sleeves for high voltage breakers
- Guide rings
- Fittings
- Vents

FREQUENT APPLICATIONS:

- High voltage circuit breakers
- Packaging machines
- Tank radars
- Heat exchanges
- Seat rings for ball valves

Mellansvenska Städ AB är sedan 1957 serviceföretaget som skapar rena och trivsamma miljöer. Vi arbetar för varaktiga uppdrag genom kundanpassad utveckling.



VI SKAPAR
RENA OCH
TRIVSAMMA
MILJÖER

Butik
Skolor
Vård
Specialstädning
Fönsterputsning
Golvvård
Bygg



"Their expertise has been extremely important for us"

Rickard Hedström, Rosemount Tank Radar AB

COLLABORATION WITH ROSEMOUNT TANK RADAR AB

Some years ago Habia Teknofluor got the opportunity to take a look at a prototype for a probe for Rosemount Tank Radar. A probe, which is also called a sonde or antenna, is an advanced measuring tool, used for determining the filling level of various types of tanks. Rosemount was dissatisfied with the product they had and felt the design needed further development. The assignment involved major challenges for the engineers in both companies and a large number of tests were conducted before the final product began to take shape.

The extensive development work resulted in a product, which today is installed in a large number of tanks in diverse application areas, such as oil, chemicals and foods. The collaboration has increased Habia Teknofluor's knowledge and understanding of Rosemounts' products and applications, and we now have the opportunity to participate effectively in the development of the product. As a result, Habia guarantee the supply of customer-centric probes for Rosemount, with short delivery times.

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“For over 20 years we have had an exceptionally good partnership with Habia Teknofluor.”

Lena Hammargren, ABB

MACHINED PARTS FOR ABB HIGH VOLTAGE PRODUCTS

ABB High Voltage Products in Ludvika is a world-leading supplier of industrial products, including high voltage circuit breakers. ABB uses PTFE nozzles and sleeves supplied by Habia Teknofluor to master the electric arc, created between the contacts in a circuit breaker, as well as to control the gas flow.

PTFE has the best electrical insulation properties of all plastics. It is a material which is modified during the production process, and there is a great deal of research behind today's chemistry and manufacturing methods. For Habia Teknofluor, the assignment to manufacture products which completely match our customers' applications and requirements has been a stimulating and creative challenge.

Gaskets and Sealings

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