



THE PROCESSING OF FLUOROPOLYMERS

Dear customers,

you are looking at the catalogue of products and services which our company offers.

Allow me to introduce the company. The company operates in the Cinkarna Celje company, a well-organized company, which has been active on the international outlets for more than ten years. It is situated near Celje, in the direction towards the east. Its business area are chemical and metallurgical processes demanding high-quality technology and durable materials.

The business outlet is called POLIMERI. Its primary business area is servicing the production and ensuring the aggressive agents decantation systems and protection of metal delivery and reinforced concrete systems. We are used to extreme conditions which the production processes are exposed to. We gain knowhow and experience from solving our own problems.

We are proficient in rubber and polymer which is best known as Teflon®. We have developed the products shown in the catalogue which provide answers for many questions. Hopefully they can also answer some of your questions. We are a responsible team striving for development and testing for the products which we produce. The development departments of our suppliers enable us to be connected to the outside European knowledge which is an important and successful supplement to our experience.

Some of you probably already know us since our products are useful in many production areas. Therefore I greet our old acquaintances, and for the ones who have come across our trademark for the first time: we recommend you to have a look at the catalogue. Hopefully you'll find some of the answers to the tasks and objectives pursued.



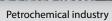










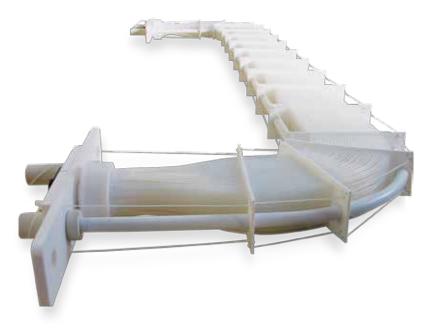




Food industry

The processing of fluoropolymers







PTFE SEMI-PRODUCTS RODS, PIPES, SHEETS, FOILS, PTFE COATED GLASS CLOTH

The main PTFE properties include:

- · perfect chemical resistance,
- excellent electrical properties,
- excellent durability at temperatures between -200 and +260°C,
- · excellent sliding properties,
- · does not age,
- · does not absorb water,
- added inorganic fillers (glass, charcoal, graphite, bronze) improve its mechanical properties.

Cinkarna developed fluoropolymer and elastomer processing (PTFE, FEP, PFA, PVDF, E-CTFE). According to their chemical and thermal properties, these materials are classified as "high-tech" materials.

Products made from these materials are used in the chemical, pharmaceutical, and food industries, as well as in construction, mechanical engineering, and electrical engineering.



THIN WALL PTFE TUBES

Thin wall tubing is made of pure PTFE and is resistant against virtually all chemicals at temperatures between -200 and +260°C. It is used for the transportation of solvents, corrosive, hot, abrasive substances, for cable insulation, for high pressures, piping in laboratories, and as exchangers in aggressive substances.

PTFE EXCHANGERS

Heat exchangers consist of a large number of parallel thin-walled PTFE pipes. They are used in production segments with major corrosion-related problems (e.g. chemical, pharmaceutical, food industries) and with a need for chemically sound materials, which PTFE most certainly is.

They are manufactured as: shell and tube exchangers in a casing or as immersion, bundled exchangers which are immersed into a medium. We also manufacture exchangers with smaller dimensions for laboratory purposes, according to customer requirements. If the customer so wishes, they are manufactured with connectors.

VEFLEX EXPANDED PTFE

Compensators are used in the chemical industry. They are used for compensating for elongation, vibrations, and tolerance in assembly in devices and pipelines at high temperatures under pressure and in vacuum.

Qualities:

- corrosion resistant,
- resistant between -70°C and +220°C,
- flexible, resistant in vacuum and against pressure,
- serves to cushion blows and vibrations.



VEFLEX EXPANDED PTFE

The expanded PTFE seal VEFLEX is a modern straight seal in a reel. It is used as a static seal for all flanged and cover connections and for all media. It is made of pure PTFE by recomposing the structure of the fiber by means of a special procedure, and it contains a combination of significant and specific mechanical and sealing properties:

- · excellent plastic formation,
- a great ability to adapt to the structure of the sealing surface,
- · immovable under pressure,
- a great sealing ability and a long lifespan,
- high chemical and thermal resistance.

PTFE SEALS

They are intended for the sealing of flanged joints of pipelines, valves, fittings, cisterns, autoclaves made of steel, graphite, or protected with enamel or fluoropolymers in the chemical, petrochemical, or the food industries. Seals are made in a round or oval shape or according to the custom design of the customers.

PTFE SPRAY NOZZLES

Rotating or fixed, also as EX version.

IF REQUIRED BY THE
CUSTOMER, PTFE PRODUCTS
ARE MANUFACTURED
ACCORDING TO OUR OWN
OR THE CUSTOMER'S OWN
DESIGN.



Other products:



THE PROCESSING OF FLUOROPOLYMERS

PTFE processing
PTFE piston rings
Thin wall PTFE tubes
Veflex tape
PTFE seals



POWDER APPLICATIONS PVDF, E-CTFE, ETFE, PTFE DISPERSIONS, PAINTS

PVDF application – Repcoat ETFE application E-CTFE application – Halar PTFE dispersions Powder coating



RUBBER LINING PROCESS EQUIPMENT

Rubber lining Diaphragm valves Elastic couplings



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