PRODUCT PORTFOLIO

your solution partner

CNC – INJECTION MOLDING – 3D

Since our foundation in 1966, we have sought to build and consolidate a brand in the production and processing of high-performance polymers distinguishable by their high technology and superior quality.
We produce finished and semi-finished products and technical items in F10PTFE and F10HPP - High Performance Polymers - with first choice materials and cutting-edge technologies such as: extrusion, CNC machining, injection molding, along with mold design and construction, and 3D printing.

TECHNOPOLYMERS

Thanks to their physical and mechanical characteristics, technopolymers are increasingly used in the industrial and engineering world for the manufacture of components that guarantee high performance and an excellent cost-benefit ratio.

ECONOMIC ADVANTAGES

Machinability
Lightness
Resilience

PERFORMANCE ADVANTAGES

Versatility of use
Efficiency and reduction of line downtimes
Energy saving

TRANSFORMATION ADVANTAGES

Complex geometries
Optimization of production cycles
Small and large series

APPLICATIONS

Modern premium grades F10PTFE and F10HPP, like natural and filled PTFE, modified PTFE, natural and filled PEEK, PCTFE, DuPont™ Vespel®, and many more have a major contribution towards the improvement of the existing solutions in various industries thanks to their great range of benefits.

INDUSTRY
ENERGY
COMPRESSORS
FOOD
AEROSPACE
CHEMICALS
ELECTRONICS
MEDICAL
AUTOMOTIVE
FLUIDPOWER



FEASIBILITY ANALYSIS OF REQUESTS



CHOICE OF THE MOST SUITABLE RAW MATERIAL



FINAL DESIGN



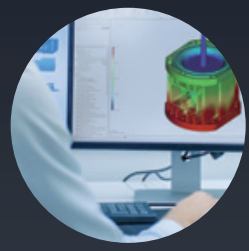
SEMI-FINISHED PRODUCTION



AUTOMATED WAREHOUSE



CNC MACHINING



EQUIPMENT DESIGN



MOLD MANUFACTURING



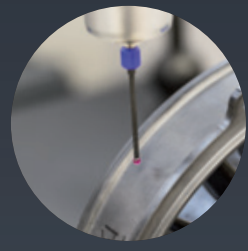
INJECTION MOLDING



3D PRINTING



LABORATORY TESTS



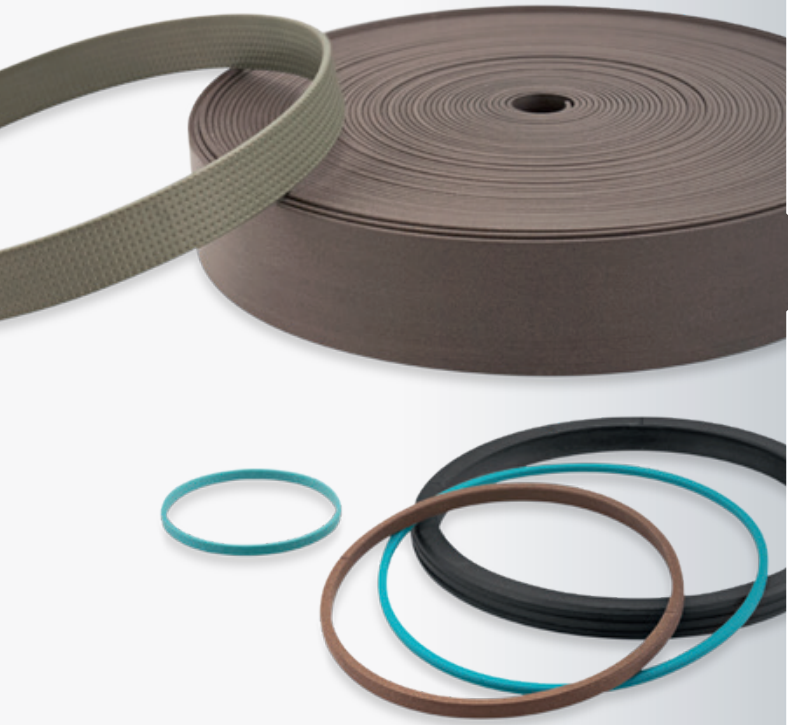
QUALITY CONTROL AND CERTIFICATES

360° service



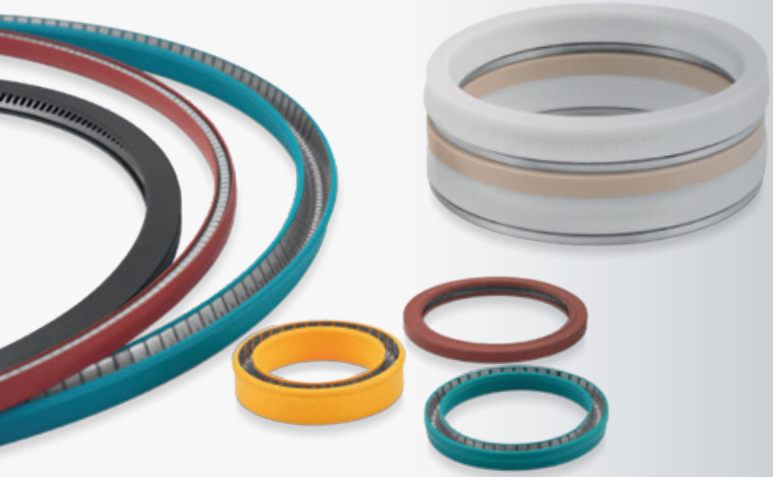
PTFE STOCK SHAPES AND CNC CUSTOMIZED COMPONENTS

Virgin pure and filled first-quality grade F10PTFE, exclusive grades FTEN®-1000, 3M™ Dyneon™ TFM™ Modified PTFE. From raw materials to stock shapes and customized engineering CNC-machined parts for industrial applications. Etching for tapes and parts, sliding in compliance with EN-1337/2 and with GMP for the food industry.



SLIPPER RINGS AND FLUOR/S TAPES

Hydraulic and pneumatic seals and bearing tapes, made of F10PTFE compounds with high wear, low static and dynamic friction coefficient, even without lubrication, and long-life resistance. Developed in accordance to market standards and special customized needs on demand.



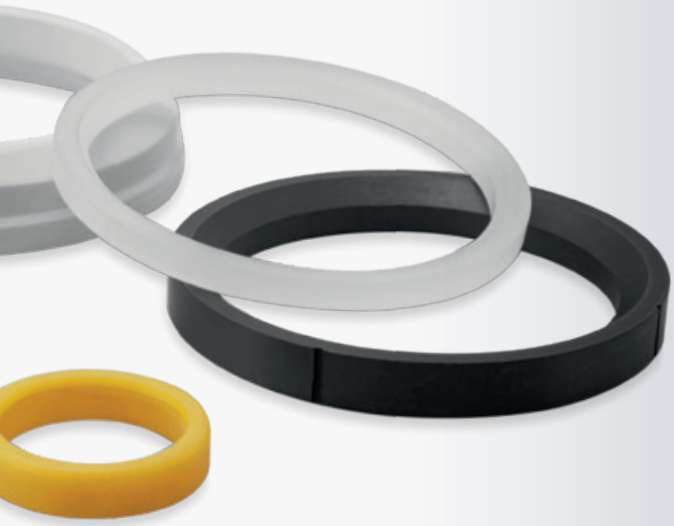
SPRING ENERGIZED SEALS - SES

Components designed, customized and manufactured fully in-house, to offer outstanding performances and meet the specific requirements of the service conditions. Certificate of material compliance with Norsok M-710/3 and API 6A for the Oil&Gas industry, available on request.



PEEK AND PCTFE TUBES AND CNC PARTS

Tubes and CNC-customized parts, designed to operate in extreme temperature environments: from cryogenic to high temperatures.



VALVE COMPONENTS

Seats, seals, gland packing for trunnion and ball valves in F10PTFE and F10HPP – High Performance Polymers - able to satisfy engineering demand like, for instance, from cryogenic to high temperatures (-196 °C / +288 °C) and, for short periods, up to 482 °C. Certificate of material compliance with Norsok M-710/3 and API 6A for the Oil&Gas industry, available on request.



COMPONENTS FOR RECIPROCATING COMPRESSORS

Designed and manufactured in-house with specific F10PTFE and F10HPP - High Performance Polymers – in order to guarantee high mechanical properties and wear resistance.



COMPONENTS FOR OIL-FREE COMPRESSORS

Piston linings, piston rings, cup seals and gaskets for use in dry oil-free compressors, manufactured with specific formulations of F10PTFE and F10HPP, entirely developed and tested in-house, characterized by high wear and temperature resistance.



PTFE ROTARY SHAFT SEALS

Designed and manufactured using the most advanced technologies, with the seal lip preloaded radially by special thermal molding process. To avoid leaks and for better internal seal, an O-Ring is inserted.



TECHNOPOLYMER MOLDING

In-house design and manufacturing of molds, production of prototypes and series of customized engineering industrial components made with F10HPP - High Performance Polymers (PEEK, PFA, FEP, PVDF, PA, PP, PC, and many more).



3D PRINTING

Fast prototyping and special designed technical articles made of basic or high-performance polymers, such as Carbon Peek, Carbon PA, PEEK, EXTEM™AMHH811F Filament, ULTEM™ AM9085F, PP.



DUPONT™ VESPEL® COMPONENTS

Sole Italian distributor of DuPont™ Vespel®, a high-performance polymer able to operate from cryogenic to high temperatures (up to 288 °C in continuous and up to 480 °C for short period) and characterized by high-wear resistance.

your solution partner

FLUORTEN®
PTFE & TECHNOPOLYMERS MANUFACTURING

F10PTFE F10HPP

FTEN1000

F10PEEK 3DTEN

DUPONT Vespel® victrex 3M Roboze

fluorten®
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EN 9100: 2018 - CERTIFICATE N.5695/3

ISO 9001: 2015 - CERTIFICATE N.21

ISO 14001: 2015 - CERTIFICATE N.27

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network