



VICTREX® PEEK / PCTFE SEMIFINISHED PRODUCTS

Fluorten developed high knowledge in manufacturing VICTREX® PEEK and PCTFE semifinished products they play an important role into the Fluorten semifinished technical supplied products in order to cover a wider range of applications. Rods and Sleeves are suitable for manufacturing sealing elements and technical mechanical elements for industrial applications where high accuracy and dimensional stability is required. Different technologies are used to manufacture VICTREX® PEEK and PCTFE sleeves, depending on the final size and material performances. Dimensions of semifinished products are available into a wide range of diameters.

Application field of PCTFE

(homopolymer ethylene-tetrafluoroethylene).

In increasingly widespread usage especially in the cryogenic industry thanks to our commitment in the development of an even wider range of semifinished and finished products.

Special processes involved in the production of sheets, bars, rings and sleeves involve the use of specifically designed and constructed equipment and machinery.

Application field of VICTREX® PEEK

- . Aerospace as an ideal substitute for metals
- . Automotive, due to its tribological properties together with excellent mechanical properties
- . Electronics, due to its high mechanical resistance, its high dimensional stability and creep resistance represent the best choice to manufacture small parts with very low thin wall
- . General technical application in mechanical industry, due to its mechanical, chemical and thermal properties
- . Medical, for surgical and dental tools
- . Food, for mechanical elements with complex shapes and for items realized by tooling machines
- . Protective lining and coating for chemical, food and for general industrial applications where aggressive and corrosive environments are involved.

PROPERTY		Density	Tensile strenght	Elongation	Hardness	Max. / Min. operating temp.
STANDARD		ASTM D 792	ISO 527	ISO 527	ASTM D 785	/
UNITS		g/cm ³	Mpa	%	M Scale	°C
TYPICAL VALUES	F10-15 NAT	1.30	90	30	94	+240 / -60
	F10-20 FC	1.48	110	2.20	80	+240 / -60
	F10-34 GL	1.49	90	2.00	100	+240 / -60
	F10-16 CA	1.40	200	2.00	107	+240 / -60
	F10-18 FE	1.40	78	25	87	+240 / -60
	F10-14	2.10	**30	**50	*75	+150 / -250

*Shore D Hardness in compliance with Standard ASTM D 2240.

**Ultimate tensile strenght and Ultimate elongation in compliance with Standard ASTM D 4894.

Whilst data and information given here are the result of our considerable experience they are only intended as a guide line and Fluorten s.r.l. can accept no responsibility either for the results obtained from this information or for situations in conflict with any existing patents.

F10-XX Material Norsok M-710 ED.3 and API 6A approved available on demand.

FLUORTEN PRODUCES:

PTFE Rulon®
Finished parts

Slipper rings
FLUOR-S/SC tapes

Spring energized seals

PTFE and HPP ball valves components

Technopolymers injection moulding

Compressors bearings and seals

Official italian distributor of DuPont™Vespel® trademark

