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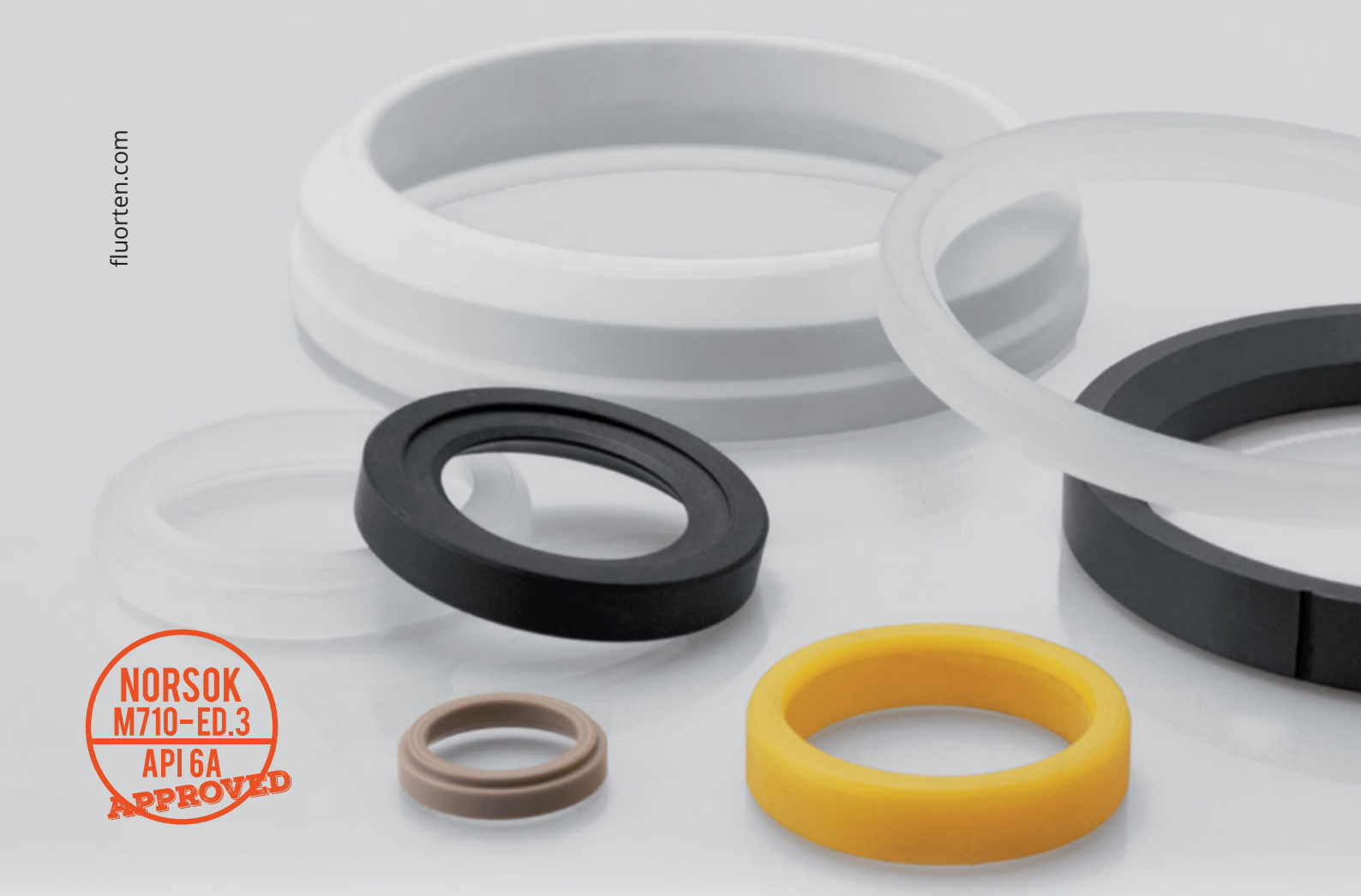


BALL VALVE COMPONENTS

Fluorten is a leading market manufacturer of industrial ball valves components like seats, seals, spring energized and gland packing in PTFE and HPP - High Performance Polymers - able to satisfy engineering demand like for instance temperatures from cryogenic (-196 °C) to 288 °C and, for short periods, up to 482 °C.

Thanks to the partnerships with the most important worldwide producers of polymers, Fluorten can provide high quality engineering customized parts manufactured in pure and filled PTFE , modified PTFE (Dyneon™ TFM™), HPP - High Performance Polymers - like VICTREX™PEEK, DuPont™Vespel®, PCTFE, PA 6.12 and more on demand.

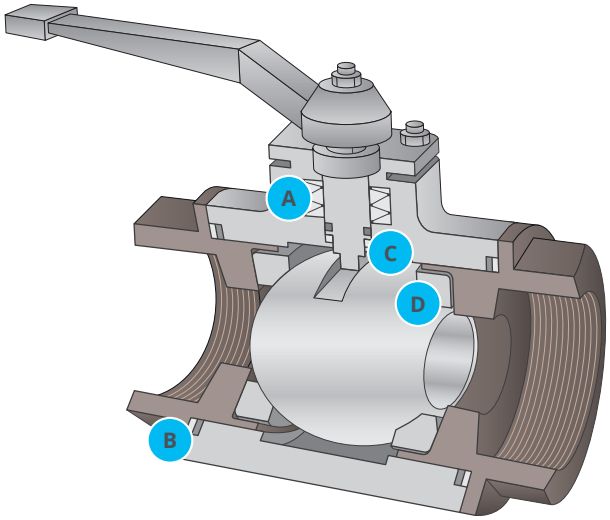
Application field of ball valve components

- Oil&Gas
- Chemical
- Cryogeny
- Pharmaceutical
- Heating
- Marine
- Water and food

fluorten®
PTFE & TECHNOPOLYMERS MANUFACTURING

VALVE SEAT COMPONENTS
SEATS AND BODY SEALS

- A Gland packing
- B Body seal
- C Thrust washer
- D Seat



	PROPERTY	Density	Tensile strenght	Elongation	Hardness	Max. / Min. operating temp.
	STANDARD	ASTM D 792	ASTM D 4894	ASTM D 4894	ASTM D 2240	/
	UNITS	g/cm³	Mpa	%	Shore D	°C
TYPICAL VALUES	F10-01 (VIRGIN PTFE)	2.16	20	200	55	+250 / -50
	F10-02 (MODIFIED PTFE)	2.16	30	350	60	+250 / -100
	F10-26 (FILLED PTFE)	2.10	12.5	100	65	+250 / -100
	F10-15 (NAT PEEK)	1.30	**90	**88	*94	+240 / -60
	DUPONT™ VESPEL® SP21	1.42	**62	**5.5	*80	+300 / -250
	F10-14 (PCTFE)	2.1	30	50	75	+150 / -250
	F10-27 (POLYAMIDE)	1.14	80	10	80	+120 / -40

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

PTFE and TECHNOPOLYMERS special formulations available on demand. For any further information please contact our technical office.
***Rockwell Hardness scale M in compliance with Standard ASTM D785.**
****Ultimate tensile strength and Ultimate elongation in compliance with Standard ISO 527.**

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.

FLUORTEN PRODUCES:

- PTFE FTEN Finished parts
- Slipper rings FLUOR-S/SC tapes
- Spring energized seals
- Compressors bearings and seals
- Technopolymers injection moulding
- VICTREX™ PEEK / PCTFE Semifinished products

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PTFE & TECHNOPOLYMERS MANUFACTURING

EN 9100: 2018 - CERTIFICATE N.5695/3
ISO 9001: 2015 - CERTIFICATE N.21
ISO 14001: 2015 - CERTIFICATE N.27