

## Advanced PTFE for Critical Water & Food Applications

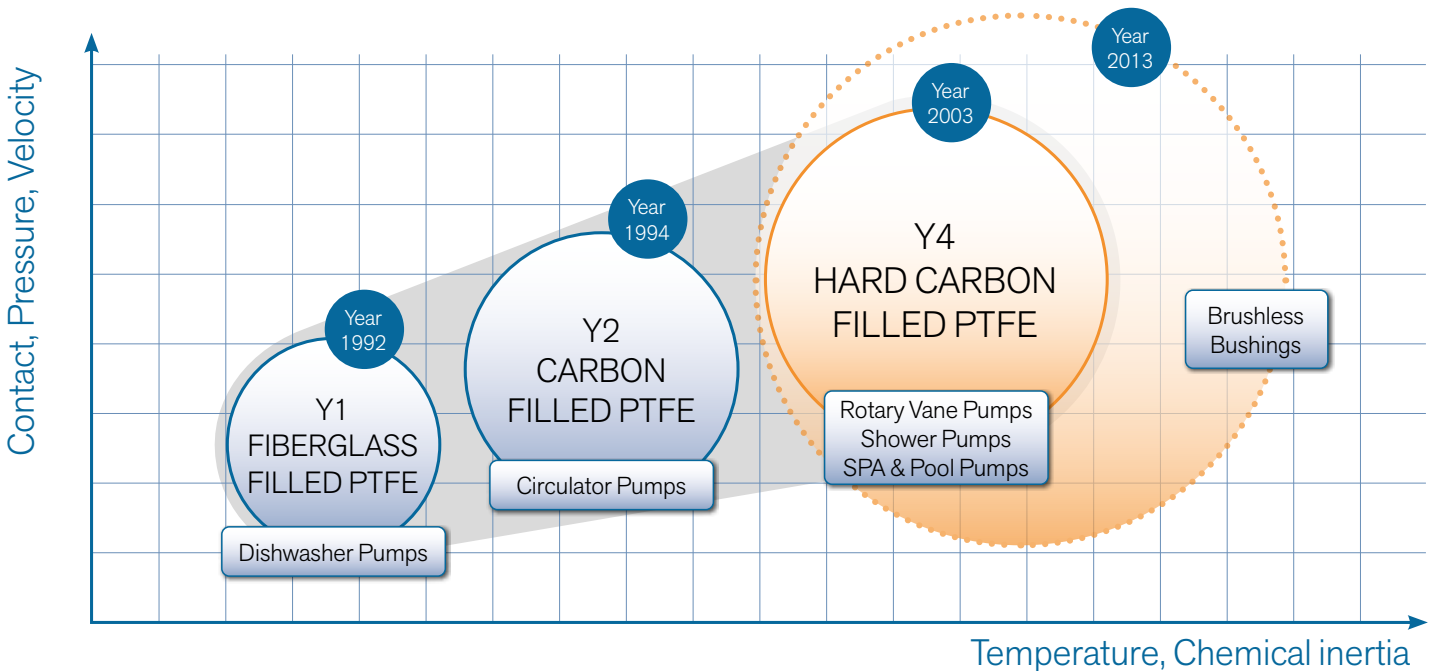
The Meccanotecnica Umbra family of Mecflon grades has evolved over the years with a focus on quality to meet and exceed customer expectations. Mecflon, when compared to other grades of PTFE, is specially formulated to provide increased efficiency, improved wear resistance, and decreased starting torques in demanding food, spa, and potable water applications.

### GRADE Y4 - HARD CARBON FILLED PTFE

Competitive advantages of Mecflon<sup>®</sup> Y4 in high pressure applications

MATERIAL PROPERTIES	LOW COEFFICIENT OF FRICTION	Lower Starting Torque than Carbon	Outstanding Dry-Running performance	ADVANTAGE FOR THE MECHANICAL SEAL
	ANTI-ADHESION PROPERTIES	No Sticking	No Noise: low friction prevents occurrence of stick & slip, the origin of noise	
	WEAR RESISTANCE	Long service life in high pressure applications		
	SELF-HEALING CAPABILITY	Tolerance to solid particles (within small amounts)		
	CHEMICAL INERTNESS	Suitable for contact with almost all fluids (except strong bases and fluorinated compounds)		

### EVOLUTION OF APPLICATIONS FOR MECFLON<sup>®</sup> PTFE RINGS



Suitable for food/water applications according to:



**Get technical support**

## MECFLON<sup>®</sup> GRADES

### Low Pressure Applications

**MECFLON Y1**  
Fiberglass filled PTFE

- STIFFNESS +
- HARDNESS +
- INERTNESS IN OXIDIZING ENVIRONMENTS +

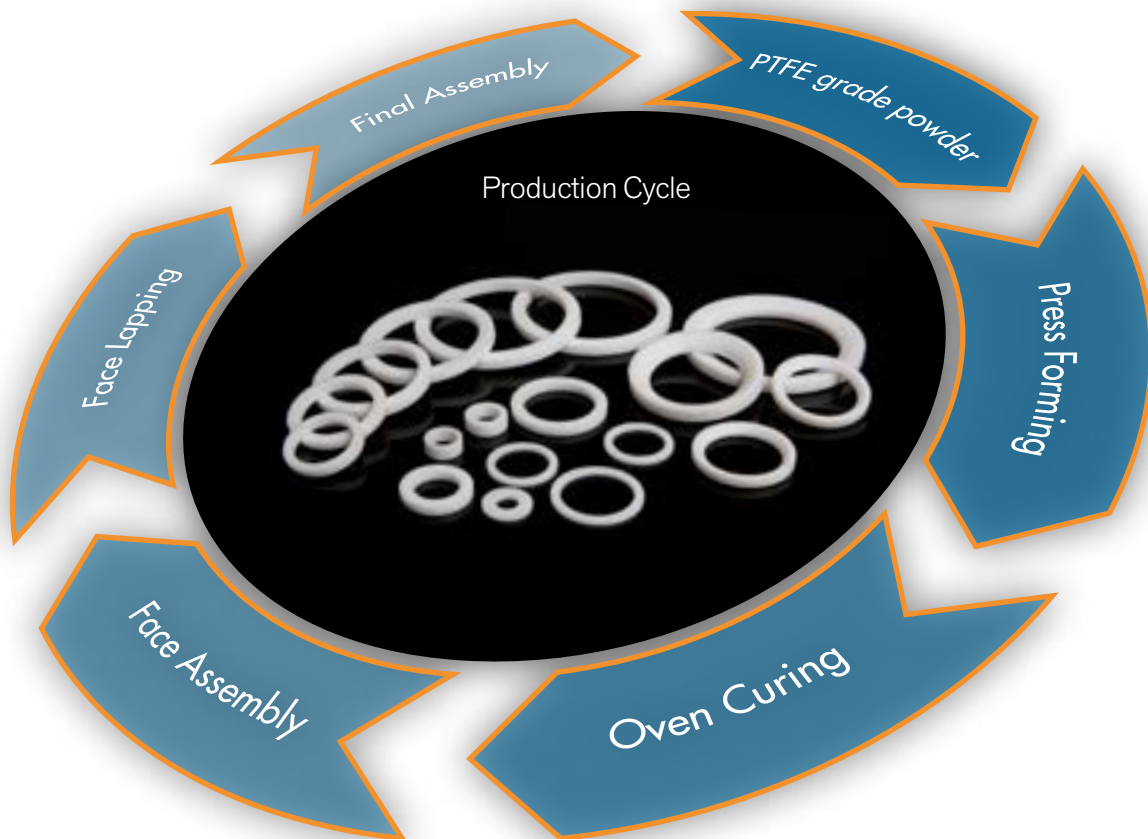
**MECFLON Y2**  
Carbon filled PTFE

- WEAR RESISTANCE ++
- HARDNESS ++
- INERTNESS IN OXIDIZING ENVIRONMENTS ++

### High Pressure Applications

**MECFLON Y4**  
Hard Carbon filled PTFE

- WEAR RESISTANCE +++
- HARDNESS ++
- INERTNESS IN OXIDIZING ENVIRONMENTS +++



**Meccanotecnica  
Umbra**

a Story of Excellence