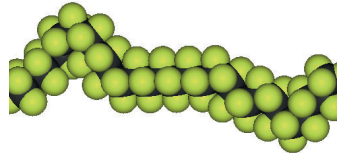
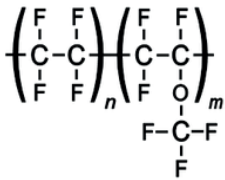


- 1| PTFE products present only features such as the exceptional chemical and physical resistance. They are almost chemically inert and unbreakable. They are easy to clean and sterilizable.
- 2| PTFE highlight by its universal chemical resistance, due to assure an universal compatibility against almost chemical components at high and low temperatures.
- 3| PTFE is the plastic material that provide the greater thermic resistance, having a range of tolerance between -200°C and 260°C, without any negative effects on its physical and chemical resistance.
- 4| General features of PTFE products
 - a| Universal chemical resistance
 - b| High capacity of thermal resistance: -200°C to +260°C
 - c| No flammable
 - d| No adhesive
 - e| Ultra low coefficient of friction
 - f| Unbreakable
 - g| Physiologically safe
 - h| Inert, tasteless, odorless
 - i| UV radiation resistant
 - j| No ageing, the properties don't change across the time
 - k| Without aggregates like plasticizers or antioxidants
 - l| Unlimited sterilization with steam or ethylene oxide possible.
 - m| sterilization using high-energy radiation is not recommended
- 5| All of these features doing to PTFE products a valuable resource to all laboratories areas and industries:
 - a| Biomedical
 - b| Pharmaceutical
 - c| Chemistry
 - d| Food industry
 - e| Petrochemical
 - f| Bioresearch

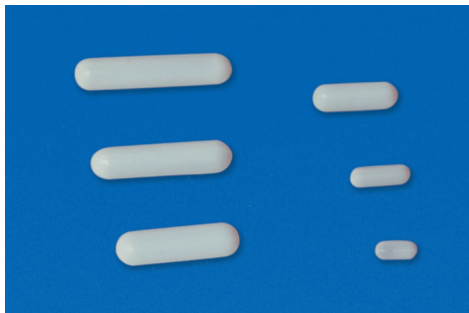


Stirring bars and magnets retrievers

- The stirring bars are built with a rare earth permanent magnet core, NdFe₃, that produce magnetic field stronger than other magnets
- Their PTFE encapsulation does that the magnet is free of contact with chemical substances or components to shaking avoid damage about stirring bars.

Cylindrical stirring bar

Code **LDB001, LDB002, LDB003, LDB004, LDB005, LDB006, LDB007, LDB008, LDB009, LDB010, LDB011, LDB012, LDB013, LDB014**



- Are the greater used and offer a smooth running characteristics.

Code	Length	Diameter
LDB001	6 mm	3 mm
LDB002	10 mm	4 mm
LDB003	15 mm	5 mm
LDB004	20 mm	6 mm
LDB005	25 mm	7 mm
LDB006	30 mm	8 mm
LDB007	35 mm	8 mm
LDB008	40 mm	8 mm
LDB009	45 mm	8 mm
LDB010	50 mm	8 mm
LDB011	55 mm	8 mm
LDB012	60 mm	8 mm
LDB013	70 mm	8 mm
LDB014	80 mm	10 mm



Stirring bars and magnets retrievers

Oval stirring bar

Code LDD001, LDD002, LDD003, LDD004, LDD005, LDD006, LDD007, LDD008, LDD017, LDD018



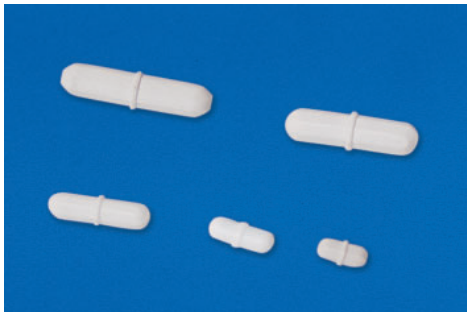
■ The egg-shape doing to these magnets specially recommended for round bottom flasks.

Code	Lenght	Diameter
LDD001	10 mm	5 mm
LDD002	15 mm	7 mm
LDD003	18 mm	7 mm
LDD004	25 mm	9 mm
LDD005	30 mm	10 mm
LDD006	25 mm	12 mm
LDD007	35 mm	12 mm
LDD008	35 mm	15 mm
LDD017	40 mm	20 mm
LDD018	50 mm	20 mm

Stirring bars and magnets retrievers

Octagonal stirring bar

Code LDG001, LDG002, LDG003, LDG004, LDG005, LDG006, LDG007, LDG016

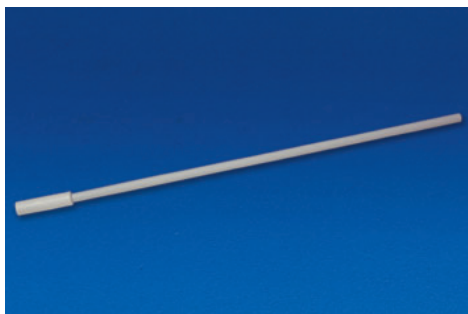


■ Due to their shape and central octagonal ring, the surface in contact with the medium is greater adding turbulence and the surface in contact with the bottom of the vessel is lower adding a better longevity

Code	Lenght	Diameter
LDG001	15 mm	8 mm
LDG002	20 mm	8 mm
LDG003	25 mm	8 mm
LDG004	30 mm	9 mm
LDG005	38 mm	8 mm
LDG006	40 mm	8 mm
LDG007	50 mm	8 mm
LDG016	75 mm	8 mm

Stirrer bar retrieve

Code LDP011, LDP013, LDP014

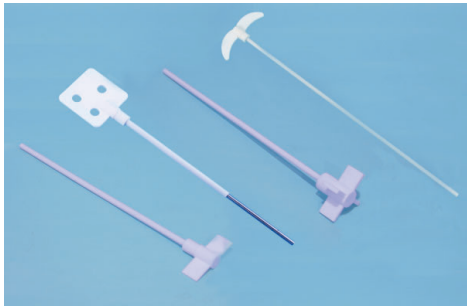


Code	Lenght	Diameter
LDP011	340 mm	9 mm
LDP013	150 mm	9 mm
LDP014	250 mm	9 mm



Stirring rods

Code LLF015_LLF020



- The stirring rods have a stainless steel core that provides a high mechanical residence and stability.
- Moreover, it allows a safe fixing in the agitator. The PTFE jacketed and the solid PTFE leaves provide a perfect resistance to chemical substances and to temperature.

Code	Description	Lenght	Diameter	Leaf diameter
LLF015	Coated crossed stirrer	380 mm	8 mm	66 mm
LLF016	Coated straight stirrer	380 mm	8 mm	69 mm
LLF017	Coated blade stirrer	350 mm	8 mm	70x70 mm
LLF018	Coated centrifugal stirrer	250 mm	7 mm	45 mm
LLF019	Coated centrifugal stirrer	350 mm	7 mm	80 mm
LLF020	Coated centrifugal stirrer	450 mm	7 mm	95 mm

Test tubes

Code BGB073_BGB076-BGB080



- The PTFE test tubes are molded of pure PTFE with a heavy wall construction that doing the tubes almost unbreakable and chemically inert
- These test tubes have screw cap and round bottom and are compatible with the standards centrifuges holes.

Code	Description	Capacity	Lenght	Diameter	Thickness
BGB073	Test tube round bottom	5 mL	55 mm	16 mm	3 mm
BGB074	Test tube round bottom	10 mL	104 mm	16 mm	3, 6 mm
BGB075	Test tube round bottom	5 mL	103 mm	25 mm	4 mm
BGB076	Test tube round bottom	50 mL	140 mm	28 mm	4 mm
BGB080	Test tube round bottom	15 mL	96 mm	20 mm	4 mm

Beakers

Code CBP006_CBP012



- PTFE beakers are an excellent option to substitute glass beakers, due to they are unbreakable, temperature resistance (-200 to + 260°C, being able to stand up to +340°C in short period) and inert to chemical substances.

Code	Capacity	ø External	Height	Thickness
CBP011	30 mL	35 mm	50 mm	2 mm
CBP006	50 mL	47 mm	59 mm	2 mm
CBP007	100 mL	56 mm	72 mm	2 mm
CBP008	250 mL	69 mm	97 mm	3 mm
CBP009	500 mL	81 mm	130 mm	3 mm
CBP010	1000 mL	97 mm	155 mm	3,2 mm
CBP012	2000 mL	152 mm	170 mm	5 mm

PTFE bottles

Code CGQ005_CGQ009



- The PTFE are a good solution to contain chemical solutions like strong acids or aqua regia.
- They present a heavy wall construction and screw cap to assure the tightness.

Code	Capacity	ø External	ø Interior	Mouth inner	Thicknes
CGQ005	25 mL	35 mm	21 mm	78 mm	3 mm
CGQ006	100 mL	51 mm	21 mm	99 mm	3 mm
CGQ007	250 mL	68 mm	34 mm	118 mm	3 mm
CGQ008	500 mL	80 mm	34 mm	148 mm	3 mm
CGQ009	1000 mL	100 mm	40 mm	185 mm	3,5 mm

Evaporating dish

Code CNF003_005



- To evaporate substances like strong acids or strong bases, aqua regia ect, to whatever concentration.

Code	Capacity	ø External	Height
CNF003	50 mL	54 mm	43 mm
CNF005	150 mL	72 mm	55 mm



Code	Capacity	ø External	Height
CNF004	80 mL	100 mm	18 mm

Crucible

Code CPJ001_004



- Molded on pure PTFE, these crucibles are unbreakable, chemically inert and easy to clean by a smooth surface.
- They support a continuous working temperature of +260 °C and are able to stand up to +340 °C during short period.

Code	Capacity	ø Upper	ø Bottom	Height
CPJ001	30 mL	48 mm	32 mm	43 mm
CPJ002	50 mL	53 mm	36 mm	50 mm
CPJ003	100 mL	59 mm	42 mm	60 mm
CPJ004	250 mL	79 mm	54 mm	90 mm

Tweezers

Code FML023_024



- Excellent chemical and thermic stability. Present an ergonomic design to a handling more reliable.

Code	Length
FML023	100 mm
FML024	150 mm

Funnel

Code PNC014



- Very good chemical and thermal stability for the transfer of strong or concentrated chemical reagents, at any temperature.
- Minimal substance retention on its surface thanks to an ultra-smooth finish.

Code	Diameter	Length
PNC014	100 mm	140 mm

Chemical compatibility

Classes of chemical substances	Chemical resistance
Alcohols aliphatic	Excellent
Aldehydes	Excellent
Alkalis	Excellent
Aminas	Excellent
Esters	Excellent
Ether	Excellent
Glycols	Excellent
Ketones	Excellent
Mineral oils	Excellent

Classes of chemical substances	Chemical resistance
Vegetable oils	Excellent
Lubricating oils	Excellent
Hydrocarbons, aliphatic	Excellent
Hydrocarbons, aromatic	Excellent
Hydrocarbons. halogenated	Limited*
Bases / Caustic solutions	Excellent
Oxidants (oxidizing acids), strong	Excellent
Acids, diluted, weak	Excellent
Acids, conc., strong	Excellent

* A continuous exposure for longer period times and temperatures greater to +50°C with fluorated hydrocarbons, such as trifluoroacetic acid (TFA) or hydrofluoric acid (70%), may cause some damage on PTFE product