


PP Screw Cap, without PP Pouring Ring for Laboratory Bottles, Autoclavable upto 140°C, Steam, DURAN

| Cat No. | DIN thread GL | O. D. mm | Height mm | Colour | Qty. Per Pack Pcs |
|-----------|---------------|----------|-----------|--------|-------------------|
| 29239 13 | 25 | 33 | 19 | Blue | 10 |
| 29239 19 | 32 | 40 | 24 | Blue | 10 |
| 29239 28 | 45 | 54 | 25 | Blue | 10 |
| 29338 280 | 45 | 54 | 25 | Yellow | 10 |
| 29338 286 | 45 | 54 | 25 | Green | 10 |
| 29338 288 | 45 | 54 | 25 | Grey | 10 |
| 11127 16 | 80 * | 87 | 40 | Blue | 10 |

* Quick Release Closure


Quick release closure for DURAN GLS 80 laboratory bottle with PTFE coated seal, from PSU compound

The material used is a special compound based on a polyarylsulphone. Consequently the chemical, thermal and mechanical properties of the material are noticeably improved and matched to laboratory requirements. Thanks to the thread, the DURAN GLS 80 bottle can be opened and closed with only a three-quarter turn. The seal, which is coated on both sides with PTFE, ensures the bottle can be tightly closed.



A matching PTFE pouring ring is available, permitting clean, drop-free use.

| Cat No. | Thread GLS | Dia mm | Height mm | Qty. Per Pack Pcs |
|---------------------|------------|--------|-----------|-------------------|
| Cap | | | | |
| 11658 88 | 80 | 86 | 40 | 5 |
| Pouring Ring | | | | |
| 11673 07 | 80 | | 6.85 | 5 |


PP Pouring Ring for Laboratory Bottles, Autoclavable upto 140°C, Steam

| Cat No. | DIN thread GL | Height mm | Colour | Qty. Per Pack Pcs |
|----------|---------------|-----------|--------|-------------------|
| 29242 19 | 32 | 4 | Blue | 10 |
| 29242 28 | 45 | 4 | Blue | 10 |
| 10899 11 | 45 | 4 | Green | 10 |
| 10899 14 | 45 | 4 | Grey | 10 |
| 10899 17 | 45 | 4 | Yellow | 10 |
| 11601 66 | 80 | 4 | Blue | 10 |


PBT Screw Cap (Red), with PTFE coated Silicone Liner, without ETFE Pouring Ring for Laboratory Bottles, Autoclavable upto 180°C, Hot-air, DURAN

| Cat No. | DIN thread GL | O. D. mm | Height mm | Qty. Per Pack Pcs |
|----------|---------------|----------|-----------|-------------------|
| 29240 13 | 25 | 33 | 23 | 10 |
| 29240 19 | 32 | 40 | 26 | 10 |
| 29240 28 | 45 | 54 | 28 | 10 |


ETFE Pouring Ring (Red) for Laboratory Bottles, Autoclavable upto 180°C, Hot-air

| Cat No. | DIN thread GL | Height mm | Qty. Per Pack Pcs |
|----------|---------------|-----------|-------------------|
| 29244 19 | 32 | 4 | 10 |
| 29244 28 | 45 | 4 | 10 |

PP Tamper Evident Screw Cap (Blue), for Laboratory Bottles, with DIN Thread, Autoclavable upto 140°C, Steam, DURAN

These caps are used for safely storing the contents of the bottles. The caps are screwed tightly on to the bottles and after a soft “click” the plastic ring is fixed on the bottle neck. When the caps are opened for the first time, a perforation of the plastic ring is broken thus showing the bottle has been opened. After the perforation of the plastic ring is broken, the cap may of course still be used as an “ordinary” screw cap.



| Cat No. | DIN thread GL | O. D. mm | Height mm | Qty. Per Pack Pcs |
|----------|---------------|----------|-----------|-------------------|
| 10175 26 | 45 | 54 | 26 | 10 |

PP Membrane Cap - with PTFE permeable foil, DURAN

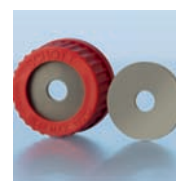
These caps can be used for all bottles with GL 45 thread and has a hole bored in the centre and a welded-in 0.2 µm PTFE foil. They are temperature resistant upto 140 °C and an extremely quick 2-way pressure compensation from 0.1 bar. These are especially suitable for filling, packing, transporting and storing gas - generating media, storing critical substances and in various biotechnological applications. To autoclave media in laboratory bottles, the membrane cap, unlike ordinary caps, is screwed **tightly** on to the bottles and there is no need for screwing and unscrewing the cap before or after the autoclaving process.



| Cat No. | DIN thread GL | Qty. Per Pack Pcs |
|----------|---------------|-------------------|
| 29118 13 | 25 | 5 |
| 29118 19 | 32 | 5 |
| 29118 28 | 45 | 5 |
| 29118 91 | 80 | 2 |

PBT Screw Cap, for pH Sensor, DURAN

| Cat No. | DIN thread GL | O. D. mm | Height mm | Qty. Per Pack Pcs |
|----------|---------------|----------|-----------|-------------------|
| 11713 95 | 45 | 54 | 28 | 1 |



PBT Screw Cap, with Aperture (Red) for Laboratory Bottles, Autoclavable upto 200°C, Hot-air, DURAN

| Cat No. | DIN thread GL | Aperture Bore mm | Qty. Per Pack Pcs |
|----------|---------------|------------------|-------------------|
| 29227 08 | 32 | 20 | 10 |
| 29227 10 | 45 | 34 | 10 |



DURAN PTFE COATED GL 45 SILICONE SEPTUM FOR PIERCING

High purity PTFE coated silicone septum for use with DURAN GL 45 open topped screw cap and all sizes of DURAN GL 45 laboratory bottles. Can be used for the addition, inoculation or sampling using a syringe and needle. Ideal for chemistry, life science and biopharma laboratories.

Applications:

- Liquid transfer from HPLC solvent bottles
- Aseptic reagent delivery or culture sampling using a syringe and needle
- Reservoir cap for supplying laboratory instruments

Features:

- Soft silicone rubber for easy needle penetration and resealability
- Manufactured from high purity, Platinum catalysed silicone rubber and high quality PTFE film, reducing the risk of solvent contamination

- The silicone is faced with highly resistant PTFE to protect the silicone from chemical attack by the solvents
- The septum is suitable for use with all GL 45 sizes of the DURAN GL 45 bottles from 100 to 20,000 ml
- A liquid tight seal is provided when used in combination with the red PBT GL 45 open topped screw cap
- Wide temperature usage range from – 50 °C up to + 180 °C
- Autoclavable at 121 °C for 15 minutes
- Dry heat sterilizable at up to 180 °C



| Cat No. | Description | Qty. Per Pack Pcs |
|----------|---|-------------------|
| 29248 30 | DURAN PTFE coated GL 45 Silicone Septum for piercing (Platinum catalysed VMQ) | 10 |


SILICONE SEAL PTFE coated VMQ, DURAN

| Cat No. | For Screw Caps Red GL | Qty. Per Pack Pcs |
|----------|-----------------------|-------------------|
| 29248 13 | 25 | 10 |
| 29248 19 | 32 | 10 |
| 29248 28 | 45 | 10 |


DURAN GL 45 BROMOBUTYL RUBBER STOPPER

DURAN bromobutyl rubber closure provide a gas tight seal for all GL 45 laboratory bottles. Bromobutyl rubber is essentially impermeable to most gases, and provides a controlled environment inside the glass bottle for oxygen sensitive materials. Useful for maintaining anaerobic culture conditions. Butyl rubber allows for multiple punctures providing easy access to the contents with a syringe.


Applications:

- Culture of anaerobic microorganisms (pressure resistant bottles recommended)
- Storage of anaerobic culture media (amber glass bottles recommended)
- Aerobic methane oxidation (MOx) research
- Storage of oxygen sensitive materials
- Applications requiring gas purging or sample transfer via a syringe

Features:

- Stopper shape, and material properties optimised to fit DURAN GL 45 bottles with sizes from 100 to 20,000 ml.
- Low permeability to air, gases and moisture.
- Manufactured from a high purity bromobutyl rubber elastomer.
- Conforms to EP 3.2.9 Type I closure for chemical and penetration tests.

- Material is virtually free of organics that might leach into the incubation medium.
- Elastic material for effective sealing and reliable self-sealing after needle piercing.
- A Upper surface features seven numbered hemispherical impressions for needle-piercing. Autoclavable at 121 °C for 15 minutes
- Wide usable temperature range: -50 to +121 °C.
- Suitable for autoclaving / steam sterilising at 121 °C for 20 minutes.
- Use with the DURAN GL 45 open topped / aperture screw cap for extra security (Standard DURAN original GL 45 lab bottles are not pressure resistant. If build up in pressure is anticipated, it is recommended to use the stopper without the GL 45 red open top cap. The use of pressure resistant bottles such as DURAN pressure plus should be considered)

| Cat No. | Description | Qty. Per Pack Pcs |
|----------|---|-------------------|
| 29206 28 | DURAN Rubber Stopper for GL 45 Laboratory bottles, straight plug, Grey Bromobutyl | 10 |


Premium Cap for Laboratory Bottles, DURAN
USP Standard

Made of PFA with PTFE coated silicone seal and pouring ring of PFA Compound formulated without colour dye to avoid risk of leaching. Very high chemical resistance. High leak tightness through use of PTFE coated silicone seal.

Typical application : due to its properties, ideal for applications in the pharmaceutical industry, handling of aggressive media, demanding sterilization processes such as hot air or dry sterilization and depyrogenation.

Easy Sterilization : The 'Premium Cap' is characterised by its temperature resistance ranging from -196 °C to +200 °C. Due to high temperature range, this cap is suitable for many sterilization methods such as autoclaving or dry sterilization.

FDA Conformity : The 'Premium Cap' meets all requirements of both US Pharmacopoeia (USP Class VI) and European Pharmacopoeia (EP) and therefore also complies with FDA standards.

| Cat No. | Description | DIN Thread GL | Colour | d mm | h mm | Qty. Per Pack Pcs |
|----------|--------------|---------------|------------|------|------|-------------------|
| 11296 00 | Cap | 25 | Colourless | 32 | 22 | 5 |
| 10886 79 | Cap | 45 | Colourless | 51 | 26 | 5 |
| 10886 78 | Pouring Ring | 45 | Colourless | - | 4 | 5 |