

NEW: DURAN® ALUMINIUM SCREW CLOSURE GL 45

WITH OPEN OR CLOSED TOP



PART OF THE **DURAN®** BOTTLE SYSTEM



**DURAN
WHEATON
KIMBLE**

Excellence in your hands

NEW: DURAN® ALUMINIUM SCREW CLOSURE GL 45 WITH OPEN OR CLOSED TOP

Aluminium is an alternative material to the plastic used in most screw closures for laboratory bottles. The caps are available as a closed-top cap with a high temperature PTFE coated cap liner, or as an open-top cap for use with septum or stopper. Metal closures offer a wide range of temperature tolerances and have a high mechanical strength. Aluminium offers superior barrier qualities that protect against light, moisture, oxygen, and other gases.

FEATURES & BENEFITS

- **Free of “hydrocarbon-based plastics”**, plasticizers, phthalates, etc.
- **High temperature usage up to +260 °C** for depyrogenation or hot air sterilization*
- **Convenient:** Thread fits all DURAN® GL 45 glass bottles from 100 mL to 20 Litres
- **Secure sealing with USP <88> Class VI** PTFE coated silicone cap liner
- **Cap liner** is supplied unmounted for **easy processing** and is replaceable
- **Convenient opening and re-closing** as the knurling provides extra grip for wet or gloved hands
- **Protection:** Electrically conductive material – **ESD dissipation**
- **Versatile:** Open topped (aperture) closure can be used with DURAN® GL 45 Bromobutyl **Rubber Stopper or Silicone Septa**
- **Extra protection** – Optional plastic 45 mm **Over-cap** seals the open topped (aperture) cap

*Use of accessories reduces maximum recommended temperature: stopper (121 °C) or septa (200 °C).



DURAN® cap liner



DURAN® Aluminium Open Top Cap
with Silicone Septum, and Over-cap

ALUMINIUM AS A PACKAGING MATERIAL

The ability of aluminium to form any shape and its superior barrier properties have made it one of the most versatile packaging material in the world. Aluminium has a long history of safe usage as a food and pharmaceutical packaging material. In the U.S., the FDA has determined aluminium to be GRAS (Generally Recognized As Safe). As a metal, it can claim to be a “permanent material” as its inherent properties do not change following repeated recycling into new products.

APPLICATION AREAS

- As alternative to plastic screw caps for laboratory bottles
- High-temperature processing and applications
- Low-temperature / cryogenic sample storage
- Pharma API and sensitive material storage
- The open topped Aluminium cap is a “non-plastic” alternative to the PBT plastic aperture cap



ORDERING INFORMATION

Description	Pack Unit	Cat. No.
NEW DURAN® Aluminium Screw Closure GL 45, Silver, supplied with high-temperature cap liner (PTFE-coated red silicone)	10	29 249 01 03
NEW DURAN® Aluminium Screw Closure GL 45, Silver, open topped with 34 mm central aperture	10	29 249 28 07

The caps are suitable for use with many solutions in the 4.5 - 8 pH range. Aluminium is corroded by acids and alkalis. Only cleaning agents and washing cycles compatible with aluminium should be used.

REPLACEMENT PARTS AND ACCESSORIES

Description	Pack Unit	Cat. No.
NEW DURAN® Over-cap 45 mm, Black Phenolic (Compatible with open topped DURAN® Aluminium screw closure GL 45, Cat. No. 29 249 28 07)	10	29 249 29 01
NEW DURAN® GL 45 PTFE coated silicone high-temperature cap liner, 43.5 x 3.0 mm (Replacement part)	10	29 249 09 09
DURAN® Bromobutyl Rubber Stopper for GL 45 laboratory bottles, straight plug, Grey	10	29 206 28 03
DURAN® GL 45 Silicone rubber (peroxide catalyzed) Septa / seal 42.7 x 3.0 mm	100	29 246 10 02

DURAN® BOTTLE SYSTEM



Discover our wide range of borosilicate glass 3.3 laboratory bottles in different sizes, with closures, liquid transfer caps and accessories.



Explore more:

www.duran-bottle-system.com





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