

Composite Closure Programme

51mm PT-Band®

Improvement is an ongoing process within Silgan White Cap. The company has been regularly developing and enhancing its PT closure range, including a recently introduced universal Press-On Twist-Off® cap, the 51PTU.

Now, as a further milestone in the continuous improvement process, the 51PT-Band® closure has been launched.

The cap is a new composite metal and plastic closure (patent pending) with plastic tamper evident band and safety button indicator. The universal closure design is suitable for all Press-On Twist-Off® applications.

Characteristics

- Dual tamper evidence
- Migration reduction
- Improved lower opening torque
- More robustness against impact
- Fits into existing Silgan White Cap line equipment
- Adjusted glass finish required, which can be used for the standard PT closure as well



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51mm PT-Band® – main features:

➤ Dual Tamper Evidence

When the vacuum is released during first opening the safety button pops up with an audible click. Simultaneously the plastic band breaks and stays permanently detached from the closure. This ensures a maximised safety in respect of package tampering. The changes on the closure are visible twice (Button & Band), but you can also hear and feel the change.

➤ Migration Reduction

The gasket material food contact area has been significantly reduced via an improved compound placement. Additional reduction of specific migration of ESBO plasticizer material can be achieved by newly developed ESBO-reduced compound formulas.

➤ Opening Torque

Improved lower opening torque is achieved by a renewed gasket geometry, suitable for the universal use of the closure in the various PT processes.

➤ More Robustness

Improved impact resistance is realized using a renewed closures shell design. This gives an additional advantage in critical customer processes.

➤ Compound Materials

The 51mm PT-Band® can be combined with the existing compound material solutions for Press-On Twist-Off®. Forthcoming legal requirements will be carefully monitored and included in our continuous improvement process.

➤ Sealing and Application

The cap fits into the current Silgan White Cap line equipment set-up. The new "Magnetic Cap Seating Assembly" brings the PT-Band® into the exact sealing position. There is more security and reliability for the entire sealing process.

The 51mm PT-Band® requires an adjusted glass finish which can also be used for the standard PT closure. The unification of the existing PT glass finishes into a single specification for PT is an additional benefit for the whole supply chain.



originally sealed



after 1st opening