

Product Specification and Processing Guideline

Product Reference: P0555GK

Description: 5 Gallon K Seal Closure



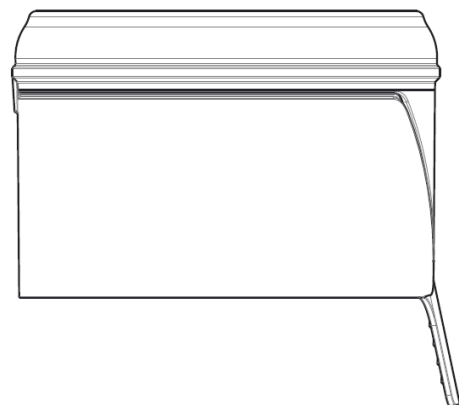
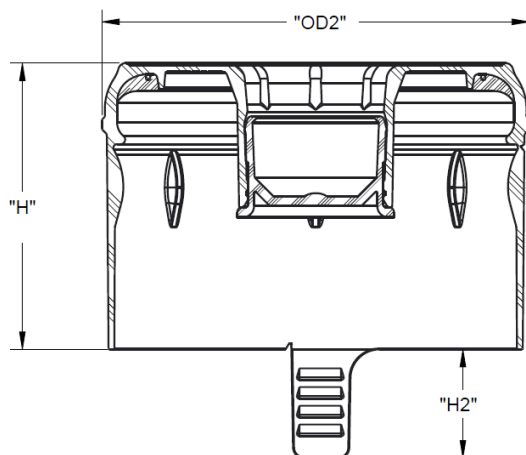
1. Description and Suitability

The 5 Gallon K-Seal is a liquid proof Snap-On tamper evident closure designed to provide suitable sealing for use on HOD water bottles (PC, PET, etc.) in conjunction with liquid product (water) which is both inert and none carbonated in nature. When applied under the correct conditions the tamper evidence is provided to the caps by means of a visible tear line and to the non-spill plug void by means of a single stick label which when removed allows the closure to be installed to most water cooler assemblies creating a non-spill design. This closure can be supplied with labels with print or logo to suit customer requirements.

2. Limitations

This product is not suitable for use with alcoholic beverages, carbonated products or products to be stored below 0 degrees C.

3. Reference Dimensions



Height base cap: H	Up to 41,0 mm	Height pull tab: H2	Up to 15,00mm
Outer diameter: OD2	57,90 mm	Part weight range (incl. foam, plug and label)	12.2g – 13.7g

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2019/10/14	Design Manager	LOU Quality Manager

4. Packaging

- 550 caps per box, double folded bag
- 30 boxes per pallet (6 layers)
- 16,500 caps per pallet
- Carton Identification - each filled carton will display the following, name of manufacturer, date of manufacture, product name and colour, quantity and box number
- Corrugated carton
- Pallet Identification – pallet number, date, quantity, batch number

5. Materials and recycling

All materials used in the process are fully approved for direct food contact and meet the requirements of all relevant EU directives and the FDA (Food and Drug Administration).

Whilst the supplier, Silgan Closures, takes every precaution and uses both their experience and that of their suppliers in the selection of materials and processing of the product, it is deemed ultimately the responsibility of the client to confirm and maintain tests which assure compatibility with the product and mating items in respect of (but not limited to) integrity of product, security and transportation of package, taint and smell. The supplier’s responsibility shall be restricted to notification of proposed changes in conditions or materials, which may require secondary testing and customer approval.

The base cap and plug are made of LDPE and as such may be recycled after use. The liner seal made of TPE based material can be recycled separately from the rest of the closure. Unless otherwise stated no post-consumer recycled material is used in the manufacture of these closures.

6. Recommended storage

- In a dry, dust free environment
- Production shall be rotated on a “first in first out” basis
- Product should not be stored where it is subject to water damage or exposure to chemicals or odour
- Caps must not be stored for a prolonged period in an Ozonated environment
- Keep the cartons closed and bags folded at all times until immediately prior to use
- Recommend that cartons be stacked one pallet high only
- Avoid temperature extremities keep away from temperatures below 5°C and above 30°C
- It is further recommended that the caps are stored in temperatures between 10°C and 30°C 24 hours prior to use
- The closures must be applied to the container within 12 months from the Date of Manufacture (DoM)
- When a closures has been applied to a container (within the timescale stated above) it can remain on the container for up to a total of 18 months from DoM

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7. Application and usage

It is extremely important to ensure lines are suitable for the application of the closure this will assure the user of efficiency of application as well as assure later correct functioning and shelf life of the product.

It is highly recommended that detailed pre and post commissioning is undertaken to establish suitability of the equipment and process prior to commercial production.

- Product is designed to be used for cold fill application with water
- Product can be used with cover and shrink wrap (foil, sleeve)
- Top load limitations on the bottles needs to be checked with Silgan
- Environment temperature around the filling line is to be between 12-35°C
- Caps can be treated with ozone prior application
- If fed to hopper/sorter to be via belt convey or with flights used ensure there are no trap points as to cause damage.
- Sorter to ensure smooth feed with no trap points to cause jam-ups or damage to closures. Sorter should be able to sort the caps at both extremes of height allowance.
- Chute to be constructed to ensure closures feed freely without being able to jam or piggy - back.
- Application of cap should be consistent in feed and height position of cap
- Static application top load force required up to max. 500N
- It is necessary to ensure proper robot clamps design plus functionality and guaranty right grip on the bottle and not on the cap during bottle transportation to the racks
- It is important to ensure cap compatibility to the existing water guards and ensure all spikes are manufactured without sharp edges

8. Conditions of Warranty and Liability

The conditions and limitations of Silgan Closures’ warranty and liability for the product are specified in the General Terms of Sale and Delivery of the Silgan Closures Group, a copy of which is available upon request and on our website www.silgan-closures.com.

Silgan Closures take every precaution and use their experience and that of their suppliers in the selection of materials and processing of the product. However it is expressly the responsibility of the customer to ensure correct and maintained application control and verify compatibility of the product for their intended use.

Silgan Closures disclaims liability for damage which directly or indirectly results from the failure of the customer to comply with the provisions of this Product Specification and Processing Guideline.

Prior to commercialisation and placing of orders a copy of this Document along with Silgan Terms and Conditions should be signed and sent back to Louny.Quality.Enquiries@silgan-closures.com.

Specification Agreement and Authorisation				
Supplier	Name	Position	Signature	Date
Customer	Name	Position	Signature	Date

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