

Mekano: the structure



Head

To ensure high aesthetic result, the head is made up of thermoplastic resin. It can be customized on the top with tampography or medal with different colors and effects.

Seal

The seal is made up of polyolefin based thermoplastic elastomer. Its development, in terms of material research, stems from the biomedical sector, and it is suitable for food-contact¹. Its shape is studied to adapt on every type of bottles.

Arm and veil

The arm and the veil are made up of glass-fiber composite material and this allows to have high mechanical properties. Thanks to these the Mekano is able to ensure a pressure tightness over 6 bar².

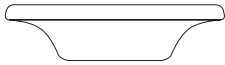
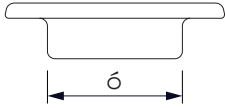
The arm is available in different lengths, to fit to every type of bottles. The shape of the veil is studied to guarantee high structural performances and to have not any type of deformation³.

¹ The product complies with the regulations in force for articles intended to come into direct contact with foods according to Commission Regulation /EU) Nr. 10/2011 of 14 January 2011. Compliant with the US Directive: FDA CFR (Code of Federal Regulations), Title 21§177.1520 "Olefin polymers".

² Test carried out and certified by an external laboratory, partner di Tapì.

³ external bottle neck diameter to the holes level must to be MIN 29.0 - MAX 32.0 mm; otherwise the bottle must be analyzed at the Tapì Lab for test of applicability to the bottle.

Mekano: the components, technical parameters and customizations



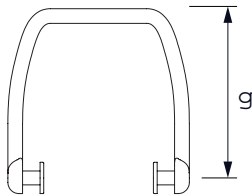
Seal

- T shape: available for sparkling liquid:

\emptyset^* (mm) = 17.3 - 17.7 - 18.1 - 18.5

* values available at the moment; we can produce others diameters based on the model of bottle.

- UFO shape: available for still liquid



Arm

- Heights available (mm)

41.5 - 42.0 - 42.5 - 43.0 - 43.5 - 44.0 - 44.5 - 45.0 - 45.5

High-Performance Technopolymer and Thermoplastic elastomer

Pressure tightness
>6 bar

0.0075 cc/atm/gg
P.1 bar - T.23°C - Shelf life 2 years

Available for pasteurization process:
Max 75°C
pH=6
2h max

Head effect

- Mekano Matt
- Mekano Glossy
- Mekano Light

Customer's logo on the top

- Tampography
- Medal

Components colors

- From catalog
- New customer's Pantone Code