

Package 20 LT M99

Volume

Volume under lid:	20 LT	
Volume brimfull:	21,5 LT	± 1%

Dimensions

Shape:	Conical	
External diameter top:	324 mm	± 2 mm
Internal diameter top:	305 mm	± 2 mm
External diameter bottom:	286 mm	± 2 mm
Height without lid:	335 mm	± 2 mm
Height with lid:	337 mm	± 2 mm

Weight - PP

Bucket without handle and without lid:	644 g	± 3 g
Bucket with metallic handle and without lid:	689 g	± 3 g
Bucket with plastic handle and without lid:	673 g	± 3 g
Bucket with metallic handle and with lid:	845 g	± 6 g
Bucket with plastic handle and with lid:	829 g	± 6 g

Weight - PCR Black

Bucket without handle and without lid:	-	-
Bucket with metallic handle and without lid:	-	-
Bucket with plastic handle and without lid:	-	-
Bucket with metallic handle and with lid:	-	-
Bucket with plastic handle and with lid:	-	-

Weight - PCR Grey

Bucket without handle and without lid:	-	-
Bucket with metallic handle and without lid:	-	-
Bucket with plastic handle and without lid:	-	-
Bucket with metallic handle and with lid:	-	-
Bucket with plastic handle and with lid:	-	-

Weight - PIR

Bucket without handle and without lid:	-	-
Bucket with metallic handle and without lid:	-	-
Bucket with plastic handle and without lid:	-	-
Bucket with metallic handle and with lid:	-	-
Bucket with plastic handle and with lid:	-	-

Performance

Stackability - dynamic: Max: 72 Kg * Maximum toplod on bottom container

Stacking Tests:

Our stacking tests are performed on equipment certified for this purpose, and measures the product's resistance to stacking. These stacking tests have been performed under optimal lab conditions, with a standard raw material, as indicated below, and at a stable ambient temperature of 24 °C, confirming the resistance of the package to a maximum static load of 144 kg, distributed evenly and over a 2 months period. The performance, when stacking, of plastic packaging depends on several factors, for example the increase in the ambient temperature can seriously compromise the behavior of the packaging. This technical sheet should be understood as an indicative reference, and customers should carry out their own tests to determine the feasibility of stacking and transport, in the context of their particular conditions.



UV Resistance: Exposure to high temperatures and particularly to direct UV radiation can have an undesirable impact over the Mechanical Properties (MP) and Visual Appearance (VA) of all plastic packaging, namely:

- Impact over Mechanical Properties such as: development of molecular weaknesses; decreased strength, loss of elasticity and hardness; formation of stress ruptures.
- Impact over Visual Appearance: yellowing of packaging; degradation of the decoration quality.

Therefore, we do not recommend exposing the plastic packaging to direct sunlight, for prolonged periods of time.

Packing

Standard pallet (1200x1000)

Alternative: Europallet (1200x800)

Stack quantity: 13
Pieces per pallet: 156
Pallet height: 1250 mm (±5)

Stack quantity: -
Pieces per pallet: -
Pallet height: -

Decoration

Digital IML: No

Conventional IML: No

Offset: No

Raw Material

Material: PP Copolymer, Food approved and Composit with PCR

Hot Filling: 85-95°C

Hot temperatures:

The material chosen has a very good heat resistance and the packaging is suitable for hot filling. Notably, plastic packaging becomes flexible when subjected to hot filling temperatures and care must be taken in relation to stacking immediately after hot filling. This packaging must be tested by customer with the actual product before approval for use at hot temperatures.

Cold temperatures:

Freezing conditions require special resins available on request. This packaging must be tested by the customer with the actual product before use at low temperatures.

Legal Requirements

Regulation (EC) No. 596/2009, of 18 June and **Regulation (EU) 2019/1381 of 20 June**, which amends the Regulation (EC) No. 1935/2004, of 27 October, that generally establishes the rules for the manufacture and marketing of materials and objects intended to come into contact with foodstuffs, including compliance with traceability.

Regulation (EC) No. 282/2008 of 27 March, which amends the Regulation (EC) No. 2023/2006 of 22 December, on good manufacturing practices for materials and objects intended to come into contact with food.

Regulation (EU) No. 2020/1245 of 2 September, which amends and rectifies the Regulation (EU) No. 10/2011 of 14 January, on plastic materials and objects intended to come into contact with food.

Regulation (EU) No. 10/2011 of 14 January, which amends the Directive 85/572 (EEC), that fixes a list of simulators used to verify the migration of constituents of plastic materials and objects intended to come into contact with food.

Environment



We constantly try to ensure that our production process is as sustainable as possible. Production waste is completely recycled in line with efficiency of resources. One important contribution to climate protection is the replacement of virgin materials (raw materials sourced from fossil resources) with recycle. This cuts down on greenhouse gas emissions. The potential saving can be as much as 2.2 kilograms of CO2 per kilogram of recycle that replaces virgin materials.

Quality Specifications

Approvals:

MGR Packaging, SA products comply with the European Union Commission Regulation No. 10/2011/EC with amendments, relating to materials and articles intended to come into contact with food, unless otherwise stated. In accordance with EU legislation, it is the responsibility of the customer to ensure that the supplied product is suitable for the intended use.

Shelf life:

The adherence of the product to the aforementioned technical specifications is guaranteed for a period of 12 months from the date of delivery, subject to appropriate storage. Appropriate storage refers to a warehouse, protecting the product from outside weather conditions, such as direct sun light exposure, rain, swings in ambient temperature outside the interval of 17°C to 25°C and respecting the Stacking tests conditions, as referred above.

Quality information:

Deviations in the product specifications in this data sheet of 0,025% or less (i.e. 25 items per 100,000 pcs) are considered acceptable in the industry and therefore cannot be constructed as a defect. Also, please refer to the General Sales and Delivery conditions in force at the time of delivery.

Specifications are subject to change without notice.

Lastest revision: 09-01-2024

www.mgrpackaging.com

Zona Industrial Casal da Lebre, Rua da Áustria, n.º 77, 2430-028 Marinha Grande – Portugal – Tel. 244 572 540