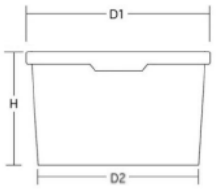


Bucket technical specification

Round bucket 3.75 L PCR

Plastic bucket with lid and handle



Dimensions

D1: ø 202.80 mm
D2: ø 172.40 mm
H: 164.60 mm (163.90 mm bez poklopca)

1. General information & PPWR:

Product name:	Round bucket 3.75 L PCR
Product code:	018636
Manufacturer:	PREPLAM d.o.o., Jakovlje, Hrvatska
PPWR classification:	Rigid primary industrial packaging (B2B)
Food contact:	No (general industrial packaging)
Intended use (Application):	Chemical industry, dispersions, paints, varnishes

2. Dimensions & geometry:

• Nominal volume: 3.75 L (Brimful volume: 3.86 L)

• Total assembly mass: 150.7 g (optimised in accordance with Article 21 on mass minimisation)

(Bucket body: 120.0 g | Lid: 21.0 g | Plastic handle: 9.7 g)

• Bucket height (H): 164.60 mm (163.90 mm bez poklopca)

• Upper outer diameter: ø 202.80 mm

• Lower outer diameter (D2): ø 172.40 mm

• Average wall thickness: 1.20 mm (minimum functional thickness)

3. Composition & PCR recyclate:

TOTAL ASSEMBLY COMPOSITION (100% PP - Mono-material):

├── Bucket body (PP-C): 90% Virgin PP + 10% PCR rPP (120.0 g)

├── Lid (PP-C): 90% Virgin PP + 10% PCR rPP (21.0 g)

└── Plastic handle (PP): 90% Virgin PP + 10% PCR rPP (9.7 g) (for high tensile strength)

└── IML label (PP): 100% Virgin PP coextruded film (homogeneous PP assembly)

• Recycled content share: The total weighted share of PCR recyclate in the entire assembly is 10.0%.

For additional information visit www.preplam.hr or contact us at preplam@preplam.hr. Date: 23.10.2026. rev. 01 (PPWR)

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• Traceability certificate: Traceability of recycled material is ensured through RecyClass / EuCertPlast certifikat (klasa usklađenosti / certifikat br: EU-PCR-2026-004).

4. Mechanical performance:

• Melt viscosity: MFI (MFR): 18 g/10min (according to ISO 1133 at 230°C / 2.16 kg). Increased injection moulding flowability due to PCR content.

• Static pressure: Breaking force (Top Load): 147 N (corresponds to a load of 15.0 kg at 23°C according to ISO 8113).

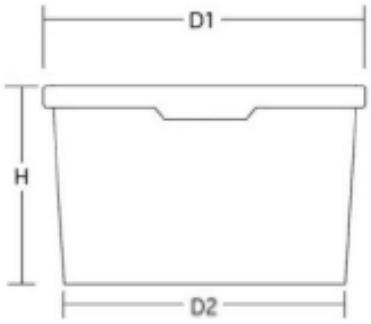
• Thermal load: Hot filling: up to 90°C (stacking only after complete cooling).

• Freezing conditions: Cold resistance: down to -15°C (PP copolymer retains impact resistance).

• Drop resistance (Drop Test): Drop from a height of 1.0 m at 18°C and 0.5 m at -10°C (filled with water/glycol) - no breakage.

CAD drawings and visuals:

Bucket drawing / dimensions:



3D view of finished assembly:



Lid drawing / dimensions:

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5. Design for recycling:

RECYCLASS EVALUATION RESULT	
Total product mass:	**150.7 g**
Polypropylene (PP) mass:	**150.7 g (100%)**
Mass of contaminants (adhesives, paper):	**0 g**
RESULT: CLASS A — Excellent recyclability	

• D4R Classification: Class A (Maximum recyclability). As the bucket, lid, handle and label are made exclusively of polypropylene (mono-material), the assembly is processed into high-purity secondary rPP without the need for separation.

• Decoration technology: In-Mold Labeling (IML) without adhesives and chemical solvents.

• Heavy metals (Article 5 PPWR): Total presence of lead, cadmium, mercury and chromium is below 100 ppm (< 100 mg/kg).

• Free from PFAS and SVHC substances: The product does not contain per- and polyfluoroalkyl substances (PFAS) or substances from the REACH SVHC list in a concentration exceeding 0.1% by mass.

6. Logistics & storage:

• Storage: Store in a clean, dry and covered area. Avoid prolonged exposure to direct UV radiation and heat sources to prevent degradation of the polymer matrix. The recommended storage temperature is 5°C do 35°C.

• Warranty period (Shelf Life): 12 months from the date of delivery subject to compliance with proper storage conditions.

• Standard packaging of buckets: 720 pcs (min 30 pcs) / Euro pallet (1200 x 800 mm)

• Standard packaging of lids: 600 pcs in cardboard boxes (800 x 600 x 500 mm)

7. EU Declaration (DoC):

Tvrtka PREPLAM d.o.o. declares under its sole responsibility that the product 'Round bucket 3.75 L PCR', šifra '018636' meets all applicable requirements of the Regulation (EU) on packaging and packaging waste (PPWR) and is in compliance with:

- Article 5 (Prohibition and restrictions on hazardous substances)

- Article 6 (Design for recycling - Class A)

- Article 7 (Share of PCR recyclate in industrial packaging: currently 10%)

- Article 21 (Minimisation of packaging mass to 150.7 g).

The technical file supporting this declaration, including reports on recyclate content, migration tests (where applicable) and physical testing, is stored under document number TD-018636-2026-v01 and is kept in the quality control archive for at least 5 years.

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Specification approval:

PREPARED BY:	APPROVED BY:
Damir Majerić Planning Manager Signature: _____	Duje Klepo Production Manager Signature: _____

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