



Packaging for your life.



**TOP TUBE
LESS IS MORE**

DESCRIPTION

With our TopTube material reduction is key. Unlike previous tubes, the shoulder of the TopTube takes up the function of the cap's head plate. Thanks to the shoulder's specifically adapted shape, an additional material reduction in the shoulder could be realized. As a result, the weight of a 200 ml TopTube with reduced wall thickness is cut by almost half compared to a standard tube*.

*Ø 50 x 160 mm: TopTube (300 µm wall thickness): ~ 12.0 g vs. standard fliptop tube (500 µm): ~ 22.8 g

TECHNICAL FEATURES

- **Material reduced fliptop cap** with ring-shaped mounting to the shoulder: Head plate no longer necessary
- Combination of reduced tube wall thickness and high PCR content
- Diameters 40 and 50 mm, Diameters 30 and 35 mm will follow mid 2024
- Orifice diameter: 1.5 mm, 3 mm and 5 mm
- „Middle closing“ system
- HDPE closure for **higher recyclability**
- PCR closure material in examination
- Tube printing in HD, silk-screen and offset printing
- Shoulder printing, alignment of closure to the artwork possible
- Mat or glossy cap

YOUR ADVANTAGES

- Carbon footprint of 6.4 g CO₂e per closure (vs. 20.8 g CO₂e for standard fliptop cap Ø 50 mm) (incl. HDPE, injection moulding and material transport)
→ **69% reduced carbon footprint of closure**
- **Significantly reduced weight:**
→ 69% lighter closure: 2.25 g TopTube cap vs. 7.3 g standard fliptop cap Ø 50
→ ~15-20% material reduction in the tube shoulder
→ Available with 270 - 300 - 350 µm wall thickness
- High recyclability thanks to **mono material approach**: PE in tube and closure
- Significantly lower CO₂ compensation costs compared to the current market standard
- TopTube closure suitable for multiple tube diameters: 40 & 50 mm (and soon 30 & 35 mm)
→ Ideal for product lines with different tube sizes
- LINHARDT-exclusive patented solution

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