

GENERAL SPECIFICATIONS

Keg Type	PolyKeg PRO 2.0
Purpose of use	Vessel designed for the transport and distribution of drinks.
Nominal Volume	12 L 406 oz. - 16 L 541 oz. - 20 L 676 oz. - 24 L 811 oz. - 30 L 1014 oz
Valve	A - S - G - D - M - K (According to DIN 32677)
Filling	Upside down - upside up
Storage and Shipment	Stackable
OPRV	Over-pressure release valve and manual depressurisation after use.
Bottle Colour	Amber
Top Colour	Black
Base Colour	Black

MATERIALS SPECIFICATIONS

Bottle	Polyethylene terephthalate + master colouring
Valve	Other plastic materials
Dip Tube	Polypropylene
Label	Polypropylene
Top	Recycled Polypropylene
Base	Recycled Polypropylene

FOOD CONTACT

- Regulation EU-EC-UM
- Food and Drug Administration (FDA) Title 21 Code of Federal Regulations

COMPANY CERTIFICATIONS

- BRC Global Standard for Packaging and Packaging Materials Issue 6: August 2019
- UNI EN ISO 9001:2015
- UNI EN 14001:2015
- UNI ISO 45001:2018

ADDITIONAL INFORMATION

- Declaration of conformity N° 1
- MI02 – PolyKeg PRO 2.0 User Manual

CONDITIONS

	VALUE	NOTES
Keg internal pressure	≥1,0 bar N ₂	T= 20°C
O ₂ pick-up during filling	< 5 ppb	Due to the Keg

DIMENSIONS

	VALUE						NOTES
Nominal volume	12 L 406 oz.	16 L 541 oz.	20 L 676 oz.	24 L 811 oz.	30 L 1014 oz.		P = 0 bar T = 20°C
Total volume	12,3 L 416 oz.	16,3 L 551 oz.	20,3 L 686 oz.	24,3 L 822 oz.	30,3 L 1025 oz.	± 1%	
Diameter	246,5 mm 9,70"		272,5 mm 10,72"	307,5 mm 12,10"	± 1%		
Residual content	≈ 100 ml					± 1%	
Height	393 mm 15,47"	481 mm 18,93"	569 mm 22,40"	566 mm 22,28"	566 mm 22,28"	± 1%	
Weight	1,08 kg	1,17 kg	1,25 kg	1,34 kg	1,54 kg	± 2,5%	

PHYSICAL-MECHANICAL SPECIFICATIONS

	VALUE	NOTES
OPRV	5,5 bar ± 1 bar	Protection against high pressure due to post-fermentation or excessive temperature.
Maximum Working Pressure	3,5 bar	0°C ≤ T ≤ 40°C
Yield	P ≥ 8 bar	
Burst	P ≥ 9 bar	
Spear Ejection	> 30 bar	
Drop test	No burst	0°C ≤ T ≤ 40°C P = 2bar H = 1.2m Filled Keg
Maximum Top Load	75 kg (@0 bar)	0°C ≤ T ≤ 40°C Load uniformly distributed on the top of the keg
	125 kg (@1.5 bar)	
	175 kg (@2.5 bar)	

SHELF-LIFE GAS AND LIGHT BARRIER

	VALUE			NOTES
Fill before	24 months after production date			0°C ≤ T ≤ 40°C
Product Shelf Life	12 months typical			Depending on product type, product CO ₂ content, temperature, storage/shipping conditions, etc...
O ₂ pick-up at end of shelf life	6 MONTHS <20 ppb	9 MONTHS <30 ppb	12 MONTHS <40 ppb	T=20°C, 50% rh
CO ₂ loss at end of shelf life	6 MONTHS <5%	9 MONTHS <7%	12 MONTHS <9%	Depending on product type, product CO ₂ content, temperature, storage/shipping conditions, etc...
Light Transmittance (DIN 5033 part 3)	da 0,0001			350 ≤ nm ≤ 500