POLYKEG PRO WITHOUT BAG

TECHNICAL SHEET

GENERAL SPECIFICATIONS	
Keg Type	PolyKeg PRO
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
PRV	Pressure Relief Valve
Bottle Colour	Silver
Top Colour	Black
Base Colour	Black

MATERIALS SPECIFICATIONS	
Bottle	PET blend
Valve	POM, PP, TPE, PPSU, Rubber
Dip Tube	PP
Top	PP
Base	PP

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° 1A**
- **MI01 – PolyKeg PRO User Manual**

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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	1,09 kg	1,09 kg	1,26 kg	1,35 kg	1,54 kg	± 2,5%	

PHYSICAL-MECHANICAL SPECIFICATIONS		
	VALUE	**NOTES**
PRV	6 bar ± 1 bar	0°C ≤ T ≤ 40°C
Maximum Working Pressure	3,5 bar	
Yield	P ≥ 7 bar - ΔVolume ≤ 10%	
Burst	P ≥ 8 bar - ΔVolume ≥ 25%	
Spear Ejection	> 30 bar	
Drop test	No burst	0°C ≤ T ≤ 40°C P = 2bar H = 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			Depending on product type, product CO2 content, temperature and storage/shipping conditions
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 CO2 content, temperature and storage/shipping conditions
Light Transmittance (DIN 5033 part 3)	≤ 0,0001			350 ≤ nm ≤ 500

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