



# POLYKEG PRO WITH BAG

## TECHNICAL SHEET

### GENERAL SPECIFICATIONS

<b>Keg Type</b>	PolyKeg PRO
<b>Nominal Volume</b>	12 L   406 oz. - 16 L   541 oz. - 20 L   676 oz. - 24 L   811 oz. - 30 L   1014 oz.
<b>Valve</b>	A - S - G - D - M - K (According to DIN 32677)
<b>Filling</b>	Upside down - upside up
<b>Storage and Shipment</b>	Stackable
<b>PRV</b>	Pressure Relief Valve
<b>Bottle Colour</b>	Silver, Clear
<b>Top Colour</b>	Black
<b>Base Colour</b>	Black

### MATERIALS SPECIFICATIONS

<b>Silver bottle</b>	PET, Masterbatch
<b>Clear bottle</b>	PET
<b>Valve</b>	POM, PP, TPE, PPSU, Rubber
<b>Bag kit</b>	PP, LLDPE, PE, OPA, ALU
<b>Top</b>	PP
<b>Base</b>	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° 4
- MI01 – PolyKeg PRO User Manual

CONDITIONS			
	VALUE		NOTES
Kege internal pressure	1,5 bar N <sub>2</sub>	+/- 0,2 bar	T= 20°C
Bag	Purged with CO <sub>2</sub> and ready to be filled.		
O <sub>2</sub> pick-up during filling	< 1 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.	± 1%  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.	
PolyKeg PRO	Height	393 mm 15,47"	481 mm 18,93"	569 mm 22,40"	566 mm 22,28"	566 mm 22,28"	
	Weight	1,08 kg	1,14 kg	1,24 kg	1,35 kg	1,57 kg	
Diameter		246,5 mm 9,70"			272,5 mm 10,72"	307,5 mm 12,10"	
Residual Content		≈ 100 ml					

PHYSICAL-MECHANICAL SPECIFICATIONS		
	VALUE	NOTES
PRV	6 bar ± 1 bar	0°C ≤ T ≤ 35°C
Maximum Working Pressure	3,5 bar	
Yield	P ≥ 7 bar - ΔVolume ≤ 10%	
Burst	P ≥ 8 bar - ΔVolume ≥ 25%	
Spear Ejection	min 30 bar	
Drop Test	No burst	0°C ≤ T ≤ 35°C P = 2bar H = 2m Filled Keg
Maximum Top Load	75 kg (@0 bar)	0°C ≤ T ≤ 35°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 ≤ 35°C
Product Shelf Life	12 months			Depending on product type, product CO <sub>2</sub> content, temperature and storage/shipping conditions
O <sub>2</sub> pick-up at end of shelf life	6 MONTHS	9 MONTHS	12 MONTHS	T=20°C, 50% rh.
	<5 ppb	<7 ppb	< 10 ppb	
CO <sub>2</sub> loss at end of shelf life	6 MONTHS	9 MONTHS	12 MONTHS	Depending on product type, product CO <sub>2</sub> content, temperature and storage/shipping conditions
	<2,5%	<3,5%	<4,5%	
Light Transmittance (DIN 5033 part 3)	0			350 ≤ nm ≤ 500