



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, MXD6, Colour Masterbatch
Valve	POM, PP, TPE, PPSU, Butyl Rubber
Dip Tube	PP
Top	PP
Base	PP

FOOD CONTACT

Regulation EU-EC-UM

- Regulation (EC) N° 1935/2004 and its subsequent updates
- Regulation (EC) N° 1895/2005 on epoxy derivatives and its subsequent updates
- Regulation (EU) N° 10/2011 and its subsequent updates
- Regulation (EU) N° 2018/213 use of bisphenol A
- Ministerial Decree 21/3/73 and its subsequent updates and amendments
- Presidential Decree 777/82 and its subsequent updates and amendments

Food and Drug Administration (FDA) Title 21 Code of Federal Regulations

- FDA 21CFR 177.1520 (olefin polymers - PP and PE)
- FDA 21CFR 177.1630 (polyethylene phthalate polymers - PET)
- FDA 21CFR 177.1500 (nylon resins)
- FDA 21CFR 177.2470 (polyoxymethylene copolymer)
- FDA 21CFR 177.1655 (polysulfone resins)
- FDA 21CFR 178.3297 (colorants for polymers)
- FDA 21CFR 177.2600 (butyl rubber)

Good Manufacturing Practices (GMP) as provided by the FDA Title 21 CFR 174.5.

BRC Global Standard for Packaging and Packaging Materials Issue 6: August 2019

ADDITIONAL INFORMATION

- Declaration of conformity N° 1A
- MI01 - PolyKeg PRO User Manual



CONDITIONS			
	VALUE		NOTES
Keg internal pressure	1,5 bar N ₂	+/-0.2 bar	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.	± 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	1,02 kg	1,07 kg	1,17 kg	1,26 kg	1,48 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	5,5 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 ≥ 30%	
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	9 months	Depending on product type, product CO ₂ content, temperature and storage/shipping conditions
O ₂ pick-up at end of shelf life	15 ppb	T=20°C, 50% rh.
CO ₂ loss at end of shelf life	5%	Depending on product type, product CO ₂ content, temperature and storage/shipping conditions
Light Transmittance (DIN 5033 part 3)	≤ 0,0001	350 ≤ nm ≤ 500