

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 | Polyethylene terephthalate |
| Valve | Other plastics |
| Dip Tube | Polipropilene |
| 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° 1A
- MI01 – PolyKeg PRO 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 |
|--------------------------|-------------------|---|
| PRV | 5,5 bar ± 1 bar | 0°C ≤ T ≤ 40°C |
| Maximum Working Pressure | 3,5 bar | |
| Yield | P ≥ 7 bar | |
| Burst | P ≥ 8 bar | |
| 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 CO ₂ 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 CO ₂ content, temperature and storage/shipping conditions |
| Light Transmittance (DIN 5033 part 3) | da 0,0001 | | | 350 ≤ nm ≤ 500 |