

### GENERAL SPECIFICATIONS

|                             |                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------|
| <b>Keg Type</b>             | PolyKeg PRO 2.0                                                                                  |
| <b>Purpose of use</b>       | Vessel designed for the transport and distribution of drinks.                                    |
| <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>OPRV</b>                 | Over-pressure release valve (gas channel only) and depressurisation after use (gas channel only) |
| <b>Bottle Colour</b>        | Amber, Clear                                                                                     |
| <b>Top Colour</b>           | Black                                                                                            |
| <b>Base Colour</b>          | Black                                                                                            |

### MATERIALS SPECIFICATIONS

|                     |                                               |
|---------------------|-----------------------------------------------|
| <b>Amber bottle</b> | Polyethylene terephthalate + master colouring |
| <b>Clear bottle</b> | Polyethylene terephthalate                    |
| <b>Valve</b>        | Other plastic materials                       |
| <b>Bag kit</b>      | Aluminium, Polyethylene, Nylon, Polypropylene |
| <b>Label</b>        | Polypropylene                                 |
| <b>Top</b>          | Recycled Polypropylene                        |
| <b>Base</b>         | Recycled Polypropylene                        |

### FOOD CONTACT

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

### ADDITIONAL INFORMATION - NOTES

- Declaration of conformity N° 1A
- MI02 – PolyKeg PRO 2.0 User Manual
- Check the chemical compatibility of the product to be packaged with the keg.

## CONDIZIONI

|                                       | VALUE                       | NOTES          |
|---------------------------------------|-----------------------------|----------------|
| Keg internal pressure                 | ≥1,0 bar N <sub>2</sub>     | T= 20°C        |
| Bag                                   | Purged with CO <sub>2</sub> |                |
| O <sub>2</sub> pick-up during filling | < 1 ppb                     | Due to the Keg |

## DIMENSIONS

|                  | VALUE             |                   |                   |                    |                    |        | NOTES                 |
|------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------|-----------------------|
| Nominal volume   | 12 L<br>406 oz.   | 16 L<br>541 oz.   | 20 L<br>676 oz.   | 24 L<br>811 oz.    | 30 L<br>1014 oz.   |        | P = 0 bar<br>T = 20°C |
| Total volume     | 12,3 L<br>416 oz. | 16,3 L<br>551 oz. | 20,3 L<br>686 oz. | 24,3 L<br>822 oz.  | 30,3 L<br>1025 oz. | ± 1%   |                       |
| Diameter         | 246,5 mm<br>9,70" |                   |                   | 272,5 mm<br>10,72" | 307,5 mm<br>12,10" | ± 1%   |                       |
| Residual content | ≈ 100 ml          |                   |                   |                    |                    | ± 1%   |                       |
| Height           | 393 mm<br>15,47"  | 481 mm<br>18,93"  | 569 mm<br>22,40"  | 566 mm<br>22,28"   | 566 mm<br>22,28"   | ± 1%   |                       |
| Weight           | 1,15 kg           | 1,24 kg           | 1,33 kg           | 1,44 kg            | 1,65 kg            | ± 2,5% |                       |

## PHYSICAL-MECHANICAL SPECIFICATIONS

|                          | VALUE             | NOTES                                                              |
|--------------------------|-------------------|--------------------------------------------------------------------|
| OPRV                     | 5,5 bar ± 1 bar   | Gas channel only.                                                  |
| 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<br>P = 2bar H = 1.2m Filled Keg                     |
| Maximum Top Load         | 75 kg (@0 bar)    | 0°C ≤ T ≤ 40°C<br>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 <sub>2</sub> content, temperature, storage/shipping conditions, etc... |
| O <sub>2</sub> pick-up at end of shelf life | 6 MONTHS<br><5 ppb              | 9 MONTHS<br><7 ppb | 12 MONTHS<br><10 ppb | T=20°C, 50% rh                                                                                               |
| CO <sub>2</sub> loss at end of shelf life   | 6 MONTHS<br><2,5%               | 9 MONTHS<br><3,5%  | 12 MONTHS<br><4,5%   | Depending on product type, product CO <sub>2</sub> content, temperature storage/shipping conditions, etc...  |
| Light Transmittance                         | 0%                              |                    |                      | 350 ≤ nm ≤ 500                                                                                               |