



POLYGEL Plus

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 Agent based on pure PVPP for the colloidal stabilization of beer

→ TECHNICAL DESCRIPTION

Polygel Plus is a pure PVPP, made homogeneous by means of a standardization system, enabling the adsorption of the polymerizable polyphenols, in order to optimize the colloidal stabilization of beer. Excess oxidizable polyphenolic substances in beers lead to unstable clarity and a marked degradation of flavour.

The stabilizing action of **Polygel Plus** is manifested through the adsorption of the simple polyphenols (proto-anthocyanins and anthocyanins) and catechins (flavanoids).

The dosage varies according to the kind of beer, the requested storage time, the quality of the raw materials. The adsorbing action also depends on the plants and the process technique of the single brewery, above all temperature choice and contact time. Ideally, **Polygel Plus** will be associated to silica gel to grant a complete colloidal stability, also acting towards unstable proteins.

Thanks to its standardized granulometric structure, **Polygel Plus** is easy to be used and highly effective even with limited contact times;

- it is insoluble in water and in the most part of organic solvents, it leaves no residues;
- it preserves beer colour, aroma, flavour and foam.

→ COMPOSITION AND TECHNICAL CHARACTERISTICS

Pure polyvinylpyrrolidone (PVPP) with very high molecular weight, enabling to grant a large adsorption surface.

→ DOSAGE

5-35 g/hL according to temperature, contact time and type of stabilization required.

→ INSTRUCTIONS FOR USE

In filtration: **Polygel Plus** is added in the filter dosing unit and applying a suspension in water of at 1:7-1:10. If the brewery is equipped with a buffer tank, the dosing unit should be placed up-stream.

In tank: it is used before filtration. Contact time may vary from a few hours to several days. Prolonged contact times do not have any influence on beer quality.

Note: the water suspension must be prepared at least 30 minutes prior to use.

→ STORAGE AND PACKAGING

Polygel Plus is a slightly hygroscopic product and must therefore be stored in a dry place, keeping bags well closed.

15 kg net bags.

