



POLYGEL PS

PVPP and silica hydrogel-based beer stabilizer



→ TECHNICAL DESCRIPTION

Polygel PS is a group of technological aids with combined stabilizing action, obtained by utilizing the PVPP and hydrogel actions. They are employed as sole treatment for beer stabilization. Excess polyphenolic substances in beers lead to unstable clarity and a marked degradation of flavour. **Polygel PS** forms highly stable complexes with polyphenolic substances in beer and also adsorbs protein substances. The stabilizing action of **Polygel PS** is manifested on the one hand (thanks to the presence of PVPP) through the adsorption of the simple polyphenols (protoanthocyanins and anthocyanins), while on the other hand, the silica component exerts a selective adsorption of the low and medium molecular weight proteins, thus completing the stabilizing effect.

Polygel PS is highly effective even with limited contact time; it is formulated according to the specific stabilization needs of every single client; it can be easily dispersed; it preserves beer colour, aroma, flavour and foam.

→ COMPOSITION AND TECHNICAL CHARACTERISTICS

PVPP, silicagel.

→ DOSAGE

20-100 g/hL according the type of stabilization required.

→ INSTRUCTIONS FOR USE

In filtration: it is used as normal filter aid, by mixing it in the filter dosing unit and applying a suspension in de-aerated water of at least 1:5-1:10.

In tank: it is used before filtration. The clearer the beer, the higher the effectiveness of **Polygel PS**. Contact time can vary from half an hour to several days. Long periods of contact do not cause any drawbacks. Dosing is more effective if it is carried out with a metering pump into the pipeline used for transferring beer from one tank to another.

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

→ STORAGE AND PACKAGING

Polygel PS is a slightly hygroscopic product and must therefore be stored in a dry place away from direct sunlight and heat.

20 kg net bags.

