

Abstract

5 A process for preparing polyoxymethylene homopolymers or copolymers (7) by homopolymerization or copolymerization of trioxane, starting from methanol (1), in which

- 10 – methanol (1) is oxidized in a first reactor in a first production plant (A) to give an aqueous formaldehyde-comprising stream (2) which
- is fed to a second production plant (B) in which pure trioxane (6) is obtained and removal of low boilers (5) by distillation is carried out and
- 15 – the pure trioxane (6) is fed to a third production plant (C) in which it is homopolymerized or copolymerized to form polyoxymethylene homopolymers or copolymers (7), wherein the low boiler stream (5) from the low boiler removal column (K 2) is recycled to the feed stream into the first reactor in the first production plant (A), is proposed.

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(Figure 1)