



ZUSOPLAST 9002

Pressing agent / Lubricant

Chemical basis

Polyoxyethylene preparation

Characteristics

Appearance	colourless liquid
Active matter	approx. 50 %
Solubility	water-miscible
Density (20 °C)	approx. 1.10 g/cm ³
pH (10 %)	approx. 10
Viscosity (20 °C)	approx. 25 mPas
Residue on ignition	max. 0.1 %

Shelf-life / Packaging

12 months under proper conditions | drums of 30, 140 and 1100 kg

Application

ZUSOPLAST 9002 is a nonfoaming pressing agent. It acts as a pressure-equalizing agent and can be used for isostatic pressing of spray-dried bodies and also for dry-pressed bodies.

ZUSOPLAST 9002 forms lubricating layers which facilitate the flow of the granulate under pressure, thus leading to homogeneous compaction during the pressing process. Hence, it contributes to a reduction in the structural stresses, which can lead to damage, particularly cracks and spalling, during the technological processes, that follow. The formation of a lubricating layer between the body and the mould wall also reduces the frictional forces occurring there, and thus contributes to a reduction in wear and tear.

When spray-dried body is being processed, ZUSOPLAST 9002 also acts as plasticizer within the individual granules. This means the complete crushing can take place during the pressing process and no granulate structures remain.

The amount added is ca. 0.1 to 0.5 %, for spray-dried bodies, and up to ca. 2.0 %, for dry press bodies, based on the total solids content of the slip or the body respectively.

