

ZUSOPLAST 109/2

Pressing agent / Lubricant



Chemical basis:

Preparation of surfactants

Characteristics:

Appearance: yellowish liquid
Active matter: approx. 50 %
Solubility: water-miscible
Density (20 °C): approx. 1.07 g/cm³
pH (10 %): approx. 9
Viscosity (20 °C): approx. 150 mPas
Residue on ignition: approx. 2 %

Shelf-life / Packaging:

12 months under proper conditions
drums of 30, 140 and 1000 kg

Application:

ZUSOPLAST 109/2 is a pressing aid which makes it possible to compact dry press bodies uniformly and increases the density, in most cases.

The additive acts as a pressure-equalizing agent by the formation of lubricating layers, thus facilitating flow under pressure.

The emulsifier incorporated into the pressing aid improves binding to the surface of the raw material particles, and so enables optimal flow properties, as a result of repulsive forces set up between the particles.

The formation of a lubricating layer between the body and the mould wall also reduces the frictional forces set up there, and thus contributes to a reduction in wear and tear.

ZUSOPLAST 109/2 is particularly suitable for pressing silicon carbide.

The amount added is ca. 0.2 to 1.5 % based on the solids content of the body.

The above results have been obtained from trials in our laboratory and plant. In the light of changing conditions they can serve only as a guide and are therefore offered without obligation. We ask you to observe the possible rights of third parties.