



ZUSOPLAST 126/3

Pressing agent / Lubricant

Chemical basis

Fatty acid preparation with non-ionic emulsifier

Characteristics

Appearance	yellow liquid
Active matter	approx. 100 %
Solubility	emulsifiable with water
Density (20 °C)	approx. 0.92 g/cm ³
pH (10 %)	approx. 5
Viscosity (20 °C)	approx. 50 mPas
Residue on ignition	max. 0.1 %

Shelf-life / Packaging

12 months under proper storage conditions (> 18 °C) | drums of 25 and 120 kg, containers of 900 kg

Application

ZUSOPLAST 126/3 is an alkali-free pressing agent that 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 within the body, thus facilitating flow under pressure. 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.

It can be incorporated into extrusion bodies, as a lubricant to reduce friction on the press cylinder and die.

ZUSOPLAST 126/3 forms a fine emulsion in water and can be very readily incorporated into the body. The emulsions can have different viscosities, depending on the mixing ratio and the temperature of the water used. If very low viscosity, homogeneous emulsions are preferred, it is recommended to work with water temperatures of > 20 °C with solutions of 1:3 (ZUSOPLAST 126/3 : water) or higher if required.

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

Note

If this product is stored at temperatures <18 °C over an extended time, its components may precipitate reversibly. When re-heated to 18 °C, the components will re-dissolve. Stirring and a further temperature increase to approx. 30 °C may accelerate this process.

