

ZUSOPLAST O 70

Pressing and punching oil



Chemical basis:

Low-hazardous hydrocarbons

Characteristics:

Appearance: yellow liquid
Solubility: water-insoluble
Density (20 °C): approx. 0.79 g/cm³
Residue on ignition: max. 0.1 %
Viscosity (20 °C): approx. 5 mPas

Shelf-life / Packaging:

12 month under proper conditions
drums of 25, 150 and 780 kg

Application:

ZUSOPLAST O 70 is used as plasticizing agent in clay ceramic bodies, like the usual mould lubricants.

The additive is also used as a separating agent when pressing ceramic products in steel and resin moulds. The effect results from the formation of lubricating layers between the raw material particles and between the body and the mould wall. The reduction in friction makes it possible to keep the mould and die in service longer.

Depending on the body composition and the complexity of the pressed or extruded part, ZUSOPLAST O 70 is added at 0.5 - 5.0 %.

In contrast to conventional separating oils, the precise products of combustion of ZUSOPLAST O 70 can be predicted on account of its defined composition. The product decomposes without residue to CO₂ and H₂O in the oxidizing atmosphere of the kiln. Hence, it pollutes the environment significantly less, on account of the low emissions. The contents of pollutants, such as sulphur, benzene, xylene and toluene, are below the detection limits.

The odour produced during the production process is also considerably less than for conventional separating oils.

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.