Lamberti ceramics

Technical Data Sheet
September 2024

Inkoil 1305

Chemical Description

Synthetic polymers in water-glycol solution

Main use

Medium for high thickness on silicon engraved cylinder machines

Typical values

Appearance at 20°C: colorless liquid from transparent to opalescent

Solubility in water: complete

Density (g/l) @ 20°C: about 1105

pH : approx. 9

Product properties

The rheology of INKOIL 1305 is studied to print high thick application by means of silicon engraved rollers, for full area decors.

INKOIL 1305 is suitable where a very even and homogeneous decor is needed, for that reason the ink has a very low yield point and long drying time.
It can be used for single firing and double firing kiln cycles thanks to the easy burning resins and glycols content.

Applications

Dry/INKOIL	100/ 45 ÷ 70
Viscosity Ford Cup 4mm (s)	20 ÷ 60

The above ratios are merely approximated, because they depend on the type of printing base used and the chosen application method.

A high medium content in the ink can bring to a slight settling during long lasting storage of the ink itself.

Storage and handling

INKOIL 1305 is stable to prolonged storage under condition where extreme temperatures do not occur.
The product should be stored between -5°C and + 40°C and the shelf life is at least 12 months if this condition is observed.

Packaging

1000 kg tanks

Material safety

"Detailed health and safety information can be found in our safety data sheet, available according to ECC Directive"