

Potterycrafts Ltd.

Technical Data Sheet.

Product Name : Sodium Dispex N40.

Product Number : P3390.

Properties.

Dispex is used as an efficient dispersing agent or de-flocculant in the preparation of aqueous slips and slurries of mineral particles, such as clays in ceramic casting slips.

It is the Sodium Salt of a polymeric carboxylic acid and strict molecular weight control during its manufacture produces a consistent product of maximum dispersing efficiency.

Dispex acts by virtue of the fact that poly anions are strongly adsorbed on the surface of the individual mineral particles rendering the surface negatively charged. The pigment particles repel each other and hence are kept in the form of a stable dispersion. The efficiency of Dispex is unaffected by temperature fluctuations up to 100°C and is effective over a pH range 5.5 to 14. No extra dispersant is needed up to a water hardness of 36° (360mg/litre of CaCO₃).

Typical Properties of N40 Grade Dispex.

Nature. : Sodium Salt

Appearance. : Pale Yellow

Active content. : 40 + or - 1%

Viscosity. : 15 - 20cs @ 25%

pH : 7.0 - 7.5

Specific Gravity : 1.3

Odour. : Slight

Storage : All grades of dispex are stable to prolonged storage even at Even at temperatures below freezing point.