



PRODUKT KV 5088

Dispersing agent / Deflocculant

Chemical basis

Amino alcohol

Characteristics

| | |
|---------------------|--------------------------------|
| Appearance | colourless liquid |
| Active matter | approx. 90 % |
| Solubility | water-miscible |
| Density (20 °C) | approx. 0.95 g/cm ³ |
| pH (original) | approx. 11 |
| Residue on ignition | max. 0.1 % |

Shelf-life / Packaging

12 months under proper conditions | drums of 25 and 195 kg

Application

PRODUKT KV 5088 is an organic deflocculating agent, that is free from alkali. It does not foam. PRODUKT KV 5088 makes it possible to produce slips with a high solids content and is therefore particularly suitable for deflocculation before spray drying. This deflocculant is particularly effective with silicon nitride. Since the product is liquid and is thus completely dissociated, the deflocculating effect commences immediately after addition to the slip. Hence, it is possible at any time to adjust the viscosity of the slip by rapid, homogeneous incorporation into the slip.

PRODUKT KV 5088 can be employed in combination with the conventional temporary binders, such as polyvinyl alcohols, polymer dispersions, polysaccharides, cellulose derivatives and others (OPTAPIX types).

PRODUKT KV 5088 is pseudo-cationic in effect. Attachment of the deflocculant to the anionic surface of the body, to be deflocculated, results in the production of charges of the same polarity, which cause the body particles to repel each other. The distance between the raw material particles increases; this causes the viscosity to be reduced.

The amount that must be added varies between 0.1 and 0.5 % of the solids content of the slip.

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.

Phone +86-181 1888 2229 Wuxi Qiren Chemical Technology Co., Ltd. sales@wxqiren.com www.wxqiren.com

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Business

