

Super Dispersant D2163R

(Similar to BYK-2163)

First, Base characteristics

Composition: Solution of high molecular polyurethane modified by active groups

Appearance: light yellow to yellow transparent liquid

Active fraction: 50%

Solvent: butyl acetate

Second, Purpose

Flexographic inks (NC inks)

Car repair paints

Solvent-borne paints and inks with matting agent or iron oxide pigments

Pigment pastes based on polyols or plasticizers

Third, Application areas and methods

It is mainly used for dispersion of organic pigments and carbon black in high polarity solvent-borne inks and paints (based on alcohols and esters) . Specific anchor groups and special unfolding chains could wet the pigment quickly and then firmly adsorb on the pigment surface to form a protective layer to prevent the aggregation of the dispersed pigment particles. Thus, the viscosity of the system is significantly reduced and the grinding stage is greatly shortened. The resulting pigment paste has high color strength, high gloss, excellent stability with high pigment content.

Because the color strength of the pigment could be increased by more than 20% (and even 70% for carbon black), the grinding energy consumption can be reduced by 30%, and the production efficiency could be doubled, the production cost of inks or paints could be reduced. D2163R makes the film smoother, improves the gloss and transparency.

Forth, Dosage

Recommended dosage is 10% - 30% upon organic pigments and 15% - 45% upon carbon black.

Fifth, Packaging

25kg or 50kg plastic bucket / iron bucket; sample – 80 ml.

Sixth, Storage

Store in a cool and dry place for one year.