

AKD NSD

Sizing agent for paper industry

Chemical Nature:

Alkyl Ketene Dimmer emulsion (Fatty Alkyl Diketene).

Physical Properties:

Appearance	:Milky Emulsion
Solid content	: 17% \pm 1
PH, mg KOH/g	: 3—5
Viscosity	: 15 mpa.s max
Miscibility	: Miscible with water
Ionic Charge	: Cationic
Package	: 1 ton (IBC)

Storage & Handling:

At ambient temperature in a shaded area as cool as possible. Shelf life is 3 months minimum between 5°C and 25°C.

Applications:

AKD Emulsion has become more frequently used in the papermaking industry during the last decade as neutral sizing agent which has replaced the acidic sizing agent (Gum Rosin) greatly. AKD Emulsion can be used with chemical bagasse or Kraft paper pulp, with any filler type and content (CaCO₃, Kaolin, Talc, etc) at any pH range.

Advantages:

Compare to Acidic sizing agent (Gum Rosin), The Neutral / Alkaline Sizing Agent (AKD) is a chemical treatment that reduces machine breakdown and water recycling difficulties of the standard acidic paper manufacture process by minimizing water absorption and enhancing the surface conditions of paper during a neutral paper manufacturing process. AKD plays a significant role in minimizing the detrimental environmental impact of water contamination by facilitating the recycling of water in the paper production process. **AKD also will replace the surface sizing process and it will reduce uses of size press area. AKD gives a constant Cobb result for paper produced. AKD do not require instrument or other chemical for working as other internal sizing agents.**

Please stir well before use