76101  Dispersion K 360

Description
Aqueous emulsion of a thermoplastic acrylic polymer.

Storage
Dispersion K 360 can be stored for 6 months in tightly closed containers, protected from frost and strong heat. Dispersion K 360 must be stored frost-free and preferably under 40°C. We recommend a storage temperature range between +5 und +30°C. Dispersion K 360 contains a preservative agent to protect it against bacterial attack during transport. During processing, storage and transport, avoid any contact with metals (including non-ferrous metals) which are not protected against corrosion.

Product Properties
- Solids content (ISO 124): 59 - 61 %
- Viscosity (Brookfield LVT; Sp. 2/6 U/min): < 1000 mPa.s
- Ionic adjustment:
  - pH-Value (ISO 976): 2.0 – 3.5
- Density (DIN 51 757): 1.02 g/cm³
- Mean particle size: 0.4 µm
- Minimum Film-Forming Temperature (MFT) (DIN ISO 2115): < 0°C
- Glass Transition Temperature (DIN 53 765): ~ -31°C
- Tack: Loop Test (PMMA/Glass) (FTM 9): ~ 15 N/25 mm
- Adhesive strength (PPcor./St.Steel) (PSTC-No. 1): ~ 4.5 N/25 mm²
- Thermal stability under load (PPCor./VA) (PSTC-No. 7/C): ~ 25 h / 50°C

General Information

Film Properties:
Evaporation of the water above the minimum film-forming temperature provides a clear-transparent film which is very soft and tacky at room temperature and adheres well to many kinds of material. The bond shows very good thermal stability under load.

Instruction for use:
- Dispersion K 360 can be diluted with water to provide liquors of any desired concentration.
- Dispersion K 360 can be thickened by means of thickener emulsions (e.g. Rohagit SD 15), thickener solutions (e.g. Rohagit SL 606) and cellulose or starch derivatives to provide printing, nip-padding and coating compounds. Dispersion K 360 can be applied by the usual methods such as spraying, impregnating, printing, padding and coating.
- By mixing Dispersion K 360 with other emulsions from the Plextol range, the film properties of the former can be influenced within wide limits and thus adapted to the intended application.
- Silicone-coated papers, PP- or PE films are suitable maskings for the self-adhesive coating.

Applications:
- Pressure-sensitive adhesive with good bond strength and thermal stability under load.
- Dispersion K 360 serves to manufacture self-adhesive coatings for many materials, e.g. textile fabrics, non-wovens, plastics films, paper, sheet metal, glass, rigid foam plastics, etc.
Environmental Protection:
Dispersion K 360 contains only water as distribution liquid and is free from solvents. Dispersion K 360 is classified in Water Hazard Class 1 (slight water hazard) according to the German Water Resources Management Act (WHG). Any material entering the waste water can be coagulated and removed using suitable flocculating agents. During the subsequent dumping or incineration of the solids content, observe the applicable legislation such as the Materials Recycling Act.

General Safety Measures:
Dispersion K 360 is not subject to compulsory labelling either in accordance with the latest Hazardous Substances Regulations or with the EU Guidelines for Hazardous Preparations. There are no restrictions on its transport in any current transport regulations.

Further Information:
Kremer Pigmente offers this dispersion as a replacement product for Plextol D 360, which is no longer available. Similar to Plextol D 360, the dried film of the Dispersion K 360 will remain tacky. However, the chemical composition and properties like pH-value differ significantly. Please consider this, especially if the dispersion is to be used for conservation purposes.