

Dispersant

RD-9769

Product performance and advantages:

RD-9769 is a polymer copolymer with an acidic group that is solvent-free and suitable for solvent-based and solvent-free coatings and printing inks. Mainly for inorganic pigments, titanium dioxide, fillers and other materials grinding wetting dispersion stability, and can effectively reduce the viscosity of abrasive.

The product can deflocculate pigments through steric stability, improve gloss, and enhance color strength of pigments. In addition, the shading power of the pigment is also improved. Due to the obvious viscosity reduction effect, the flow performance of the system is improved, and the pigment content is increased. When the electrostatic equipment is used, the fog shadow of the coating containing inorganic pigments can be significantly reduced.

Physical property:

Appearance (visual)	Light yellow liquid
Nonvolatile fraction	99±1%
Specific gravity	1.12g/cm ³
Flash point	>100 °C

Recommended dosage:

Amount of dispersant (g) = [specific surface area of pigment (m²/g) ÷ 500] × weight of pigment (g)

Pigment type	Inorganic pigment	filler	Titanium dioxide
Dispersant dosage (100% active content)	2—5.0%	0.5—1.5%	1-3%

How to use:

For best performance, RD-9769 is first added to the grinding base mixture and then added to the pigment for grinding.

Scope of application:

◆ Suitable for solvent-based and solvent-free (UV) coatings and printing inks. Its anionic properties make it ideal for use in acid-catalyzed systems such as coil coatings.

Storage condition

- 1, away from high temperature and fire source, placed in a ventilated and cool place;
- 3, please seal after use;
- 4, shelf life of 24 months

Packing: Net weight 25Kg/ barrel, 200Kg/barrel.