

Technical Data Sheet of Synthetic Resin INT8607

INT8607 is a kind of higher hydroxyl value ketone-aldehyde resin, extensively compatible with coating/ink formula's raw materials, soluble in most organic solvents, with good solution balance in benzene and alcohol systems, good carbino, ethynol solubility. As an advanced coating/ink functional additive, it exhibits good pigment wetting and dispersing functions, effectively improves coating film's adhesiveness, gloss and hardness, etc..

1、Main Technical Data

Property	Description & Data	Test Method
Appearance	Colorlessly crystal or slightly yellowish, hard small piece, no obvious mechanical impurities after dissolution	Naked eye
Softening point(°C)	95-110	ISO 4625-1:2004
Color Gardner ⁽¹⁾	<1	ISO 4630-1:2004
Acid value(mgKOH/g)	<3	ISO 2114:2000
Hydroxyl value(mgKOH/g)	120-150	DIN 53240-2:1998
Density(g/cm ³)	1.15 ± 0.05	ISO 1183-1:2004(E)B

[1] The resin is 50% (mass fraction) solution in ethanol.

2、Solubility

Soluble in paint solvents such as alcohols, ketones, esters and so on, but insoluble in water. Its solubility in aromatic hydrocarbon and nonpolar solvents such as mineral oil, aliphatic hydrocarbon, alicyclic hydrocarbon is limited.

3、Compatibility

compatible with most coatings/paint resins including:

Alkyd resin	Phenolic aldehyde resin	Vinyl chloride copolymer
Cellulose nitrate	Chlorinated rubber	Acrylic ester resin
Cellulose acetate-butylate	Epoxy resin	Polyurethane resin
Polysamide resin	Resin	Phthalate plasticizer

4、Application

- as resin ingredient used in flexographic inks, rotogravure inks, cellulose lacquers, vinyl esters and coatings, laminating inks, primer coatings, heat-seal coatings, tie coatings to improve the gloss, adhesion, hardness, fullness, dryness.
- possessing properties of general ketone-aldehyde resins, such as improving coating/ink film's adhesiveness and gloss, but it has better alcohol solubility, and faster solvent releasing speed.
- generally first dissolved to 50% solution, then added in coating/ink oil formulation.
- recommended addition quantity is 6-30% of formula's total mass.

5、Package & Storage

- Package: 25kg/bag
- Stored in dry and cool environment.
- Shelf life not less than 12 months and able to be used after validity period if key data still conform to requirements after being tested.