

Ketonic Resins

- **HK 100**
 - HK 1000
 - HK 1000 (LUMPS)
- HK 300
 - HK 500
 - HK 600

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General Description

HK-100 Star bright granules, light fastness, neutral reaction and resistance to saponification of synthetic resin. HK are great advantages for its use in paper lacquers its solubility in spirit, compatibility with shellac and hardness are useful factors the preparation of polishers, polishing varnishes and lacquers for the surface treatment of wood suitably formulated combination of synthetic resin HK with nitrocellulose containing in addition to phthalate plasticizers, a certain proportion of alkyd resin which are suitable for wood lacquers are distinguished for their high elasticity and resistance to the cold check test synthetic resin HK is also used in printing inks, ball point pen pastes and casting resin.

Properties

- HK – 100 is best suitable for use in laminating inks, paper inks, paper coating, flexographic & gravure ink formulation.

Typical End Applications

- Flexo & Gravure Inks
- Paper Inks
- Wood Primer
- Ball Point Pen Inks
- Paper Coating
- Surface Coating
- Nail Varnishes

Solubility

- Ethanol, N-Butanol, ISO- Butanol, Acetone, Methyl Ethyl Ketone, Cyclohexanone, Methyl ISO Butyl Ketone, Phenoxy Glycol, Xylene, Methanol, Partly Soluble in Toluene.

Specification Chart

Description of Property	Unit	HK - 100
Colour (Gardner Scale)	-	1-2
Appearance	--	Star bright Granule
Viscosity (50% in Ethanol)	Ford Cup B4	21 +/- 1 Sec / 30 °C
Softening Range	Capillary Method	92 -102 °C
Hydroxyl Value	-	220-230
Acid Value	MG/KOH/Gms	Max 1



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- **HK 1000**
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- HK 300
- HK 500
- HK 600

General Description

HK – 1000 is pearl shaped granular solid, light fastness, neutral reaction and resistance to saponification of synthetic resin. HK are great advantages for ball points inks. Due to its high viscosity, high softening range, Quick solubility and excellent thixotropic properties. Also use in paper lacquers, compatibility with shellac and hardness are useful factors the preparation of polishers, polishing varnishes and lacquers for the surface treatment of wood suitably formulated combination of synthetic resin HK with nitrocellulose containing in addition to phthalate plasticizers, a certain proportion of alkyd resin which are suitable for wood lacquers are distinguished for their high elasticity and resistance to the cold check test synthetic resin HK is also used in printing inks resin.

Properties

- HK – 1000 is best suitable for use in ballpoint ink formulation.

Typical End Applications

- Ball Point Pen Inks
- Paper Coatings

Solubility

- Ethanol, N-Butanol, ISO- Butanol, Acetone, Methyl Ethyl Ketone, Cyclohexanone, Methyl ISO Butyl Ketone, Phenoxy Glycol, Xylene, Methanol Partly Soluble in Toluene.

Specification Chart

Description of Property	Unit	HK - 1000
Colour (Gardner Scale)	-	1-2
Appearance	--	Pearl shaped Granular Solid
Viscosity in 50% Ethanol	Ford Cup B4	25 +/- 1 Sec / 30 °C
Softening Range	Capillary Method	102 -114 °C
Hydroxyl Value	-	220-240
Acid Value	MG/KOH/Gms	Max 1.0



Ketonic Resins

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- **HK 1000 (LUMPS)**
- HK 300
- HK 500
- HK 600

General Description

HK – 1000 (Lumps) is pale yellow, light fastness, neutral reaction and resistance to saponification of synthetic resin. HK are great advantages for ball point inks Due to its high viscosity, high softening range. HK 1000 Lumps also used for polishers, polishing varnishes and lacquers for the surface treatment of wood suitably formulated combination of synthetic resin HK with nitrocellulose containing in addition to phthalate plasticizers, a certain proportion of alkyd resin which are suitable for wood lacquers are distinguished for their high elasticity and resistance to the cold check test synthetic resin.

Properties

- HK – 1000 (Lumps) is best suitable for use in ballpoints ink formulation.

Typical End Applications

- Ball Point Pen Inks

Solubility

- Ethanol, N-Butanol, ISO- Butanol, Acetone, Methyl Ethyl Ketone, Cyclohexanone, Methyl ISO Butyl Ketone, Phenoxy Glycol, Xylene, Methanol Partly Soluble in Toluene.

Specification Chart

Description of Property	Unit	HK - 1000 LUMPS
Colour (Gardner Scale)	-	1-2
Appearance	--	Star bright Lump
Viscosity in 50% Ethanol	Ford Cup B4	21 +/- 1 Sec / 30 °C
Softening Range	Capillary Method	102 -114 °C
Hydroxyl Value	-	220-230
Acid Value	MG/KOH/Gms	Max 1.0



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- **HK 300**
- HK 500
- HK 600

General Description

HK – 300 is known for its best brand compatibility and solubility , combined with excellent pigment wetting.

Properties

- It's benefits are mainly outstanding water resistance, gloss, adhesion and it reduces gel point of polyamides.

Typical End Applications

- Adhesion promoter for inks
- Flexographic printing inks
- Lacquers
- Ball point inks
- Gravure printing inks
- Screen inks

Solubility

- Ethanol, N-Butanol, ISO- Butanol, Acetone, Methyl Ethyl Ketone, Cyclohexanone, Methyl ISO Butyl Ketone, Phenoxy Glycol, Xylene, Methanol & Toluene.

Specification Chart

Description of Property	Unit	HK - 300
Colour (Gardner Scale)	-	1-2
Appearance	--	Pale Yellow Lumps
Viscosity in 50% Ethanol	Ford Cup B4	18 +/- 1 Sec / 30 °C
Softening Range (Capillary Method)	-	75 -85 °C
Hydroxyl Value	-	280-290
Acid Value	MG/KOH/Gms	Max 1.0



Ketonic Resins

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- HK 300
- **HK 500**
- HK 600

General Description

HK – 500 is a ketone with higher hydroxyl value. It imparts improved heat resistance & better blocking resistance its high degree of polarity improves adhesion, pigment wetting & gloss. The solvent release is the fastest with HK – 500.

Properties

- HK – 500 (Lumps) is a high melting point resin that provides improved heat resistance and better blocking resistance.

Typical End Applications

- Cellulose Lacquers.
- Ball point inks
- Nail Varnishes
- Surface Coatings

Solubility

- Ethanol, N-Butanol, ISO- Butanol, Acetone, Methyl Ethyl Ketone, Cyclohexanone, Methyl ISO Butyl Ketone, Phenoxy Glycol, Xylene, Methanol.

Specification Chart

Description of Property	Unit	HK - 500 (Lumps)
Colour (Gardner Scale)	-	1-2
Appearance	--	Pale Yellow Lumps
Viscosity in 50% Ethanol	Ford Cup B4	19 +/- 1 Sec / 30 °C
Softening Range	Capillary Method	85 -95 °C
Hydroxyl Value	-	280-290
Acid Value	MG/KOH/Gms	Max 1.0



Ketonic Resins

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- HK 300
- HK 500
- **HK 600**

General Description

HK – 600 possesses pale colour and a broad range of compatibility it has a higher aliphatic and plasticizer tolerance than HK- 600. Due to its saturated structure, it is inert to most chemicals and imparts chemical resistance to coating where it is used. The unique chemistry of HK-600 provides the needed polarity for improved adhesion, pigment wetting and gloss. The low viscosity and wide range of compatibility make HK-600 an excellent resin for high solids coatings and inks.

Properties

- HK – 600 the low viscosity make excellent resin for high solid, coatings & Inks.

Typical End Applications

- Pigment Wetting

Specification Chart

Description of Property	Unit	HK - 600
Colour (Gardner Scale)	-	1-2
Appearance	--	Pale Yellow Lumps
Viscosity in 50% Ethanol	Ford Cup B4	19 +/- 1 Sec / 30 °C
Softening Range	Capillary Method	71 -81 °C
Hydroxyl Value	-	270-280
Acid Value	MG/KOH/Gms	Max 1.0