

TECHNICAL DATA SHEET

Inkoplas® (co-solvent)

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1. Appearance:

Yellowish granular transparent solid.

2. Product Description:

The molecule of co-solvent polyamide resin contains long fatty hydrocarbon carbonic chain. Its fine flexibility endows inks with good adhesive power to the printed pieces. It has moderate soft point and alcohols. It is convenient and timesaving to produce inks with excellent flow. The printed pieces have high firmness, shallow color, high transparency and vivid colors. In winter, its back freezing is quick and the printing operation is convenient. For the printing in summer, the phenomena such as blocking and peeling off doesn't happen.

3. Product grades and major Specifications:

Index Type	Acid Value mgKOH/g	Amine Value mgKOH/g	Viscosity mpa S/25℃	Color Fe-Co	Melt point ℃	Mainly Features
311-L	<4	<4	100-120	<10	115±5	Suitable for low viscosity and high solid content printing ink.
311	<4	<4	130-150	<10	110±5	Standard grade for gravure printing ink.
311-H	<4	<4	210-300	<10	110±5	Good solvent release, high gloss and color.
311-G	<4	<4	100-200	<10	110±5	Good low temperature stability, excellent compatibility with nitro-cellulose.
311-A	<6	<4	150-280	<10	110±5	Excellent solvent release, good adhesion.
311-B	<3	<3	100-200	<10	100±5	Excellent low temperature stability, good solubility.
311-C	<3	<5	150-280	<10	110±5	Excellent water and chemical resistance, good color.

Remarks: the viscosity and color are measured with varnish of 40% resin and 60%solvents (xylene : n-butanol : isopropanol =1:1:1)

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4. Major Application:

Vehicle of various gravure plastic printing ink, overprinting varnish and heat seal coating, suitable for printing machines with low to high speed.

5. Packing, Storage and Transportation:

Packing: multiwall paper bag. Net Content: 25kg/bag.

Attention should be paid to damp proof and high temperature. Commonly it should be stored in the cool and dry ventilated places. High temperature, solarization and drenching are forbidden in the course of transportation.



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Inkoplas® (Alcohol Soluble)

1. Appearance:

Yellowish, granular transparent solid.

2. Properties:

Alcohol Soluble Polyamide Resin has extremely good alcohol solubility, good compatibility with nitrocellulose, superior freezing, water and gel resistance, good gloss, fluidity and pigment wetting property. It has no peculiar smell and has good adhesion to printed pieces.

3. Product grades and major specifications:

Index Type	Acid Value (mgKOH/g)	Amine Value (mgKOH/g)	Viscosity (mpa S/25°C)	Color (Fe-Co)	Melt point °C	Mainly Features
310	<4	<4	80-150	<10	115±5	General purpose, good compatibility with nitro-cellulose., good varnish stability.
310-A	<3	<6	80-150	<10	105±5	Good low temperature stability, high gloss and color.
310-E	<4.5	<4	120-180	<10	110±5	Excellent water and gel resistance.

Remarks: the viscosity and color are measured with varnish of 40% resin and 60% solvents(absolute ethyl alcohol: isopropanol: n-butanol=1:1:1)

4. Major Application:

Flexographic & gravure ink for plastic films with low to high speed, paper gravure printing ink and heat seal coating.

5. Packing, Storage and Transportation:

Packing: multiwall paper bag. Net Content: 25kg per bag.

Attention should be paid to damp proof and high temperature. It is generally stored in the cool and dry ventilated places. High temperature, solarization and drenching are forbidden in the course of transportation.

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