

SOLURYL R-9020

High Tg Emulsion for Water-based Products

Features

- Let-down vehicle for water-based ink
- Excellent gloss and fast drying
- Good re-solubility
- Excellent ink transfer and printability
- Newtonian-like flow behavior

Typical Properties

Appearance	Translucent emulsion
Molecular Weight	>200,000
Non Volatiles, wt%	43.0
Acid Number, mgKOH/g	160
Tg, °C	95
Density, g/ml	1.04
pH	8.5
Viscosity, cps, (25°C, Brookfield)	250
Freeze/Thaw Stability	5 cycles

Compatibility of Soluryl R-9020

Soluryl R-9020 emulsion is compatible with a wide range of other acrylics. Dilution with glycols, glycol ethers and alcohols is excellent. It is advisable to pre-mix solvents before adding to the polymer to avoid any possible "solvent shock".

Recommendation for end-use

Paper coating and Let down vehicle for carton paper

Pigmentation

Soluryl R-9020 is compatible with most organic and inorganic pigments used in water-based inks. As with all water-based carboxylated acrylic polymers, care must be taken with barium and calcium based organic red pigments as certain types can cause thickening. The best results are obtained by dispersing the pigments into Soluryl-70 and letting down with Soluryl R-9020.

Formulation Tip

It is advisable to improve ink transfer and film forming by addition of coalescing solvents such as Carbitol, Butyl Carbitol, Dipropylene glycol methyl ether etc. with approximately 1~3% on total formulation.

Safety Information

Soluryl R-9020 is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury and chromium compounds. And raw materials for Soluryl R-9020 and our manufacturing process do not include any hazardous or regulated materials.

The information given herein and other otherwise supplied to users is based on our general experience and where applicable, on the results of tests on samples of typical manufacture. However, because of the many factors which are outside knowledge and control, which can effect the use of these products, users must rely on their own judgment and we cannot accept liability for any injury, loss or damage resulting from reliance upon such information.