

Soluryl S-820

Grinding Vehicle & Polymer Surfactant for Water-based Products

Features

- Good pigment dispersion
- Excellent ink transfer and printability
- High gloss and transparent

Typical Properties

Appearance	Clear pellet
Molecular Weight	8,000
Non Volatiles, wt%	>98.5
Acid Number, mgKOH/g	205
Tg, °C	118
Density, g/ml	1.125
Softening Point, °C	158

Compatibility of Soluryl S-820

Soluryl S-820 is compatible with most common emulsions. Dilution with glycols, glycol ethers and alcohols is excellent.

Application

Pigment grinding vehicle
 Polymer surfactant for emulsion
 Coating materials for water based OPV

Solution Preparation and Properties

The following formulations are offered as starting points of making resin solutions. The resin should be cut under agitation by high-speed mixers. Although Soluryl S-820 will dissolve at room temperature, the solution process can be greatly accelerated by use of warm water up to 70°C.

Soluryl S-820	30.0	30.0
D. Water	63.2	63.2
Ammonia Water (28%)	6.8	–
Monoethanol amine	–	6.8
pH	8.5	8.8
Viscosity, cps (25°C, Brookfield)	1,600	2,300

Safety Information

Soluryl S-820 is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury and chromium compounds. Raw materials for Soluryl S-820 and our manufacturing process do not include any hazardous or regulated materials. In addition, Soluryl S-820 is complied with FDA regulation 21CFR 175.105, 21CFR 175.210, CFR 175.300, 21CFR 175.320, 21CFR 176.170, 21CFR 176.180.