

SOLURYL 120

Grinding Vehicle & Polymer Surfactant for Water-based Products

Features

- Good pigment dispersion
- Good ink transfer and printability
- High viscosity, good resistance

Typical Properties

Appearance	Clear pellet
Molecular Weight	12,800
Non Volatiles, wt%	>98.5
Acid Number, mgKOH/g	218
Tg, °C	117
Density, g/ml	1.128
Softening Point, °C	160

Compatibility of Soluryl 120

Soluryl 120 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 120 will dissolve at room temperature, the solution process can be greatly accelerated by use of warm water up to 70°C.

Soluryl 120	30.0	30.0
D. Water	62.8	62.8
Ammonia Water (28%)	7.2	–
Monoethanol amine	–	7.2
pH	8.5	8.7
Viscosity, cps (25°C, Brookfield)	1,800	2,500

Safety Information

Soluryl 120 is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury and chromium compounds. Raw materials for Soluryl 120 and our manufacturing process do not include any hazardous or regulated materials. In addition, Soluryl 120 is complied with FDA regulation 21CFR 175.105, 21CFR 175.210, CFR 175.300, 21CFR 175.320, 21CFR 176.170, 21CFR 176.180.