SOLURYL 20

A Low Molecular Weight Styrene-Acryl Resin for Water-based Products

Features

- High gloss, clear and transparent
- Fast dissolution
- High solids, Low viscosity
- Glycol ether free
- Good compatibility with Soluryl solid resins and emulsions

Typical Properties

Appearance	Clear pellet
Molecular Weight	2,000
Non Volatiles, wt%	>98.0
Acid Number, mgKOH/g	232
Tg, °C	85
Density, g/ml	1.125
Softening Point, °C	120

Compatibility of Soluryl 20

Soluryl 20 is compatible with most common emulsions. Dilution with glycols, glycol ethers and alcohols is excellent.

Application

Gloss improving additives in water based overprint varnishes to produce a high gloss finish product.

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 20 will dissolve at room temperature, the solution process can be greatly accelerated by use of warm water up to 60°C.

Soluryl 20	40.0	45.0
D. Water	50.0	44
Ammonia Water (28%)	10.0	11.0
pH	8.5	8.5
Viscosity, cps (25°C, Brookfield)	300	2,000

Safety Information

Soluryl 20 is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury and chromium compounds. Raw materials for Soluryl 20 and our manufacturing process do not include any hazardous or regulated materials.

Hanwha Chemical (Thailand) Co., Ltd.
TEL: 66-2-315-3204~7

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