

SOLURYL 160

A High Molecular Weight for High Performance Water-based Products

Features

- High performance grade
- Excellent pigment dispersion
- Excellent ink transfer and printability
- Good film forming ability and adhesion

Typical Properties

Appearance	Clear pellet
Molecular Weight	16,500
Non Volatiles, wt%	>98.5
Acid Number, mgKOH/g	235
Tg, °C	78
Density, g/ml	1.125
Softening Point, °C	100

Compatibility of Soluryl 160

Soluryl 160 is compatible with most common emulsions. Dilution with glycols, glycol ethers and alcohols is excellent.

Application

Grinding vehicle in water-based ink to produce a high performance 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 160 will dissolve at room temperature, the solution process can be greatly accelerated by use of warm water up to 70°C.

Soluryl 160	30.0
D. Water	47.0
Monoethanol amine	8.0
Wetting agent	5.0
IPA/ Ethyl Carbitol Acetate	10.0
pH	8.5
Viscosity, cps (25°C, Brookfield)	1,000

Safety Information

Soluryl 160 is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury and chromium compounds. Raw materials for Soluryl 160 and our manufacturing process do not include any hazardous or regulated materials.