

S-301

GENERAL DESCRIPTION

S-301 is a 30% mid-molecular weight resin solution designed to be used in water based Flexographic and Gravure inks, pigment dispersions, coatings, overprint varnishes and polymers. S-301 is ideal for producing high quality pigment dispersions with excellent color development, gloss and transparency. It can also be used as a post add to improve holdout and rewet properties in inks and coatings. It has excellent functionality as a polymer emulsifier providing near Newtonian flow characteristics.

TYPICAL PHYSICAL PROPERTIES⁽¹⁾

APPEARANCE:	Clear
POLYMER TYPE:	Modified Styrene Acrylic Copolymer
SOLIDS (BY WEIGHT):	30%
VISCOSITY RANGE: (LVT, spdl#63, 60rpm) @25°C	800 – 1400
DENSITY: @25°C	8.5 lbs/gal
pH:	8.7
Acid number (on solids)	218 mg KOH/g
Tg (DSC) :	117 °C
SHELF LIFE:	12 months @25°C

TYPICAL APPLICATION AREAS

S-301 is designed to provide excellent formulation latitude for Flexographic and Gravure printing inks, coatings, pigment dispersions and overprint varnishes. It is highly compatible with a wide range of organic and inorganic pigments resulting in very stable dispersions without the use of surfactants. It is also very effective in polymer synthesis.

Note: ONA Polymers is a raw materials supplier, not a coatings manufacturer. Development of a final formulation, testing, application, and ultimate performance of a coating is fully the responsibility of the formulator.

HEALTH AND SAFETY

Please refer to the Safety Data Sheet for safety and environmental information.

STORAGE

S-301 containers should be well sealed to prevent evaporation of water and the formation of skin on the surface. The emulsion should be protected from freezing. Store containers at 5 – 25°C for not more than twelve months. Higher temperatures will affect quality and may cause the formation of skins, especially if the containers are not tightly closed or subjected to direct sunlight for long periods.

⁽¹⁾ All properties are typical and do not constitute specifications. Our personnel are available to help purchasers obtain the best results from our products and recommendations are based on tests and information believed to be reliable. However, since we have no control over the conditions under which our products are transported to, stored, handled, or used by purchasers, all recommendations and sales are made on condition that we will not be held liable for any damages resulting from their use. No representative of ours has any authority to waive or change this provision.