Joncryl® HPD 696

Product Description **Joncryl HPD 696 is a high-performance acrylic resin for pigment dispersion applications.**

Key Features & Benefits

- High pigment concentrations at low viscosity
- Viscosity stability
- Color development and gloss

Chemical Composition **Styrene acrylic resin**

Properties

Typical Properties

Appearance		clear flakes
Acid number		220
Molecular weight (Mw)		16,000
Non-volatile	%	98.9
Density at 25°C	g/cm^3	1.16
Softening point	°C	155
Tg	°C	88
Total VOC	% wt	1.1

These typical values should not be interpreted as specifications.

Application

Joncryl HPD 696 is a high molecular weight acrylic resin specifically designed to improve the color development and gloss of pigment dispersions without compromising ink stability. Dispersions formulated with Joncryl HPD 696 approach the quality of chip dispersions.

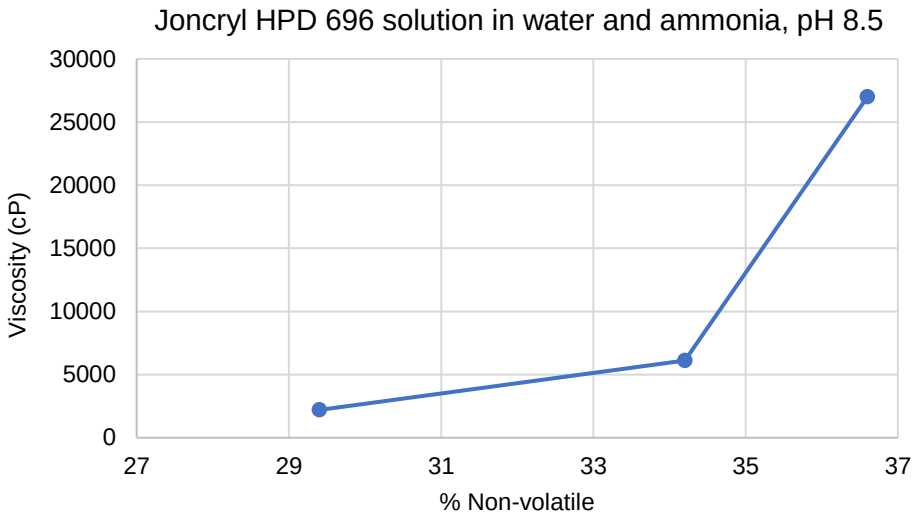
Joncryl HPD 696 is recommended for applications such as:

- Pigment dispersions

Joncryl HPD 696 provides improved pigment wetting, color strength, and gloss compared to conventional dispersion resins. This allows the formulation of high solids, low viscosity pigment dispersions that have excellent rheology, flow, and stability.

Processing

Dispersions with pigment loadings of 35 – 40% can often be achieved with Joncryl HPD 696. A pigment-to-binder ratio of 4:1 will generally yield good viscosity and shock stability.



Safety

General The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Safety Data Sheet All safety information is provided in the Safety Data Sheet for Joncryl HPD 696.

Storage

Please refer to the “Handling and Storage of Polymer Dispersions” brochure.

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